



ENERGY DIRECTORATE

TYPE TESTED INVERTERS/EQUIPMENT IN TERMS OF NRS 097-2-1

7 February 2024

Make	Model	Inverter / Equipment type	Test House	Certificate date	Certificate valid until	Report number	Certificate Compliance number	NRS 097-2-1: 2017 Ed2 Certification	NRS 097-2-1: 2017 Ed 2.1 Certification	Comments
ABB	TRIO-TM-50.0-400	Grid-tied PV inverter	TUV Rheinland	2019/07/15		28110633 031	AK 60141064 0001	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
ABB	PVS - 50 - TL	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
ABB	PVS - 50 - TL - S	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
ABB	PVS - 50 - TL - SX	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
ABB	PVS - 50 - TL - SX2	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
ABB	PVS-100-TL	Grid-tied PV inverter	TUV Rheinland	2019/11/29		28110923 035	AK 60144898 0001	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
ABB	REACT2-UNO-3.6-TL	Grid-tied PV inverter	TUV Rheinland	2018/11/07		28111587 003	AK 60134062 0001	Yes		A maximum of three REACT2-BAT1 may be used in combination with this inverter unit.
ABB	REACT2-UNO-5.0-TL	Grid-tied PV inverter	TUV Rheinland	2018/11/07		28111587 003	AK 60134062 0001	Yes		A maximum of three REACT2-BAT1 may be used in combination with this inverter unit.
ABB	CM-UPD.M31M	Network & system relay	TUV SUD	2022/10/28		713200958-000	ESY 0442540043 Rev.00	No	No	Network and system protection voltage and frequency relay only in accordance with VDE-AR-N 4105:2018. Must be programmed to NRS 097-2-1 or the applicable South African Grid Codes and may only be used in conjunction with approved NRS 097-2-1 type tested inverters on this list.
ABB	CM-UPD.M31	Network & system relay	TUV SUD	2022/10/28		713200958-000	ESY 0442540043 Rev.00	No	No	Network and system protection voltage and frequency relay only in accordance with VDE-AR-N 4105:2018. Must be programmed to NRS 097-2-1 or the applicable South African Grid Codes and may only be used in conjunction with approved NRS 097-2-1 type tested inverters on this list.
Afore	HNS3000HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS3600HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS4000HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS4600HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS5000HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS5500HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS6000HS	Hybrid PV inverter grid-tied	Dekra	2020/09/17		6076139.50	6076139.01AOC	Yes		
Afore	HNS3000HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	HNS3600HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	HNS4000HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	HNS4600HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	HNS5000HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	HNS5500HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	HNS6000HS-HV	Hybrid PV inverter grid-tied	Dekra	2020/09/18		6076141.50	6076141.01AOC V1.1	Yes		
Afore	AF3K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF3.6K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF4K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF4.6K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF5K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF5.6K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF6K-SL	Hybrid PV inverter grid-tied	Dekra	2021/03/10		6098057.50	6098057.01AOC	Yes		
Afore	AF3K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF4K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF5K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF6K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF8K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF10K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF12K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF15K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF17K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF20K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF25K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF30K-TH	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF3K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF4K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF5K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF6K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF8K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF10K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Afore	AF12K-THP	Hybrid PV inverter grid-tied	Intertek	2023/05/25		230500127SHA-001	CN-PV-230262	Yes		
Alpha	SMILE5-INV	Hybrid PV inverter grid-tied	Bureau Veritas	2019/03/22		ABVD-19A1440FCSPH	U19-0178	Yes		
Alpha	Storion-SMILE-B3	Battery based inverter grid-tied	Bureau Veritas	2020/08/19		ABVD-ESH-P20071636	U20-0680	Yes		
Aotai	AEP- 3KS48P	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/10		CN23J83J 001	AK 50597657 0001	Yes		
Aotai	AEP- 4KS48P	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/11		CN23J83J 001	AK 50597657 0001	Yes		
Aotai	AEP- 5KS48P	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/12		CN23J83J 001	AK 50597657 0001	Yes		
Aotai	AEP- 6KS48P	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/13		CN23J83J 001	AK 50597657 0001	Yes		
Aotai	AEP- 3KS48P	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/14		CN23J83J 001	AK 50597657 0001	Yes		
Aotai	AEP- 4KS48P	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/15		CN23J83J 001	AK 50597657 0001	Yes		
Apex	FG-H2-00 H20P100	Solar water geyser switch	Test Africa	2023/10/11	2026/10/06	WCT 23/0848	NRCS RCC 2310107	N/A	N/A	Solar geyser switch system only.
Atess	HPS 30	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/10/09		BL-DG2080269-B01	BL-DG2080269D01	Yes		The maximum DC voltage is dependent on PV array and may not exceed 820 V as declared by the inverter manufacturer.
Atess	HPS 50	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/10/09		BL-DG2080269-B01	BL-DG2080269D01	Yes		The maximum DC voltage is dependent on PV array and may not exceed 820 V as declared by the inverter manufacturer.
Atess	HPS100	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/10/09		BL-DG2080269-B02	BL-DG2080269D02	Yes		The maximum DC voltage is dependent on PV array and may not exceed 820 V as declared by the inverter manufacturer.
Atess	HPS120	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/10/09		BL-DG2080269-B02	BL-DG2080269D02	Yes		The maximum DC voltage is dependent on PV array and may not exceed 820 V as declared by the inverter manufacturer.
Atess	HPS150	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/10/09		BL-DG2080269-B02	BL-DG2080269D02	Yes		The maximum DC voltage is dependent on PV array and may not exceed 820 V as declared by the inverter manufacturer.
Atess	PCS100	Battery based inverter grid-tied	Dongguan Balun	2023/08/11		BL-DG2150442-B01 (G1)	BL-DG2150442D02	Yes	Yes	Models PCS 100 and PCS 250 have built-in isolation transformers.
Atess	PCS250	Battery based inverter grid-tied	Dongguan Balun	2023/08/11		BL-DG2150442-B01 (G1)	BL-DG2150442D02	Yes	Yes	Models PCS 100 and PCS 250 have built-in isolation transformers.



Deye	SUN-7.6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-3.6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-8K-SG02LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-7.6K-SG02LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-6K-SG02LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-5K-SG02LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-3.6K-SG02LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-8K-SG02LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-7.6K-SG02LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-6K-SG02LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-5K-SG02LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-3.6K-SG02LP1-EU-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/16		BL-DG21C0114-B01 (G1)	BL-DG21C0114D02		Yes
Deye	SUN-6K-SG04LP3-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2021/06/09		BL-DG2141024-B01	BL-DG2141024D01		Yes
Deye	SUN-8K-SG04LP3-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2021/06/09		BL-DG2141024-B01	BL-DG2141024D01		Yes
Deye	SUN-10K-SG04LP3-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2021/06/09		BL-DG2141024-B01	BL-DG2141024D01		Yes
Deye	SUN-12K-SG04LP3-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2021/06/09		BL-DG2141024-B01	BL-DG2141024D01		Yes
Deye	SUN-12K-SG01LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/05/24		CN222MSO 001	AK 50544599 0001		Yes
Deye	SUN-14K-SG01LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/05/24		CN222MSO 001	AK 50544599 0001		Yes
Deye	SUN-16K-SG01LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/05/24		CN222MSO 001	AK 50544599 0001		Yes
Deye	SUN-3K-SG04LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/13		CN22MT63 001	AK 50567952 0001		Yes
Deye	SUN-3K-SG04LP1-24-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/13		CN22MT63 001	AK 50567952 0001		Yes
Deye	SUN-3.6K-SG04LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/13		CN22MT63 001	AK 50567952 0001		Yes
Deye	SUN-5K-SG04LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/13		CN22MT63 001	AK 50567952 0001		Yes
Deye	SUN-6K-SG04LP1-EU	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/13		CN22MT63 001	AK 50567952 0001		Yes
Deye	SUN-29.9K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 003	AK 50593991 0001		Yes
Deye	SUN-30K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 003	AK 50593991 0001		Yes
Deye	SUN-35K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 003	AK 50593991 0001		Yes
Deye	SUN-40K-SG01HP3-EU-BM4	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 003	AK 50593991 0001		Yes
Deye	SUN-50K-SG01HP3-EU-BM4	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 003	AK 50593991 0001		Yes
Deye	SUN-6K-SG03LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2023/04/23		BL-DG2330754 B01	BL-DG2330754D01		Yes
Deye	SUN-5K-SG03LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2023/04/23		BL-DG2330754 B01	BL-DG2330754D01		Yes
Deye	SUN-3.6K-SG03LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2023/04/23		BL-DG2330754 B01	BL-DG2330754D01		Yes
Deye	SUN-3K-SG03LP1-EU	Hybrid PV inverter grid-tied	Dongguan Balun	2023/04/23		BL-DG2330754 B01	BL-DG2330754D01		Yes
Dyness	DYNE 3.0L-1P-A	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29		704092366401-00	D 120387 0003 Rev.00		Yes
Dyness	DYNE 3.6L-1P-A	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29		704092366401-00	D 120387 0003 Rev.00		Yes
Dyness	DYNE 5.0L-1P-A	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29		704092366401-00	D 120387 0003 Rev.00		Yes
Dyness	DYNE 6.0L-1P-A	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29		704092366401-00	D 120387 0003 Rev.00		Yes
Dyness	DYNE 8.0L-1P-A	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29		704092366401-00	D 120387 0003 Rev.00		Yes
Easypower	REVO8K1	Hybrid PV inverter grid-tied	TUV SUD	2023/01/17		64_290_22_31554_01	D 119631 0001 Rev. 00		Yes
Eaton	XSTH1P036PO48V01	Hybrid PV inverter grid-tied	Bureau Veritas	2019/12/10		PVZA190716C26 163818-743394	U19-0642	Yes	
Eaton	XSTH1P046PO48V01	Hybrid PV inverter grid-tied	Bureau Veritas	2019/12/10		PVZA190716C26 163818-743394	U19-0642	Yes	
Eaton	XSTH1P060PO48V01	Hybrid PV inverter grid-tied	Bureau Veritas	2019/12/10		PVZA190716C26 163818-743394	U19-0642	Yes	
Enphase Energy	IQA7-72-V-W-Y-Z	Grid-tied PV inverter	EnTest	2020/11/06		P2020082402	COCP2020082402	Yes	1. Legend: WhereV=2, 5, E or blank; W = blank or ACM; Y = INT; Z = blank, RMA or NM. 2.The inverter installation must be provided with an external RCD type B. 3. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQX7-96-V-W-Y-Z	Grid-tied PV inverter	EnTest	2020/11/06		P2020082402	COCP2020082402	Yes	1. Legend: WhereV=2, 5, E or blank; W = blank or ACM; Y = INT; Z = blank, RMA or NM. 2.The inverter installation must be provided with an external RCD type B. 3. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQ7PLUS-72-V-W-Y-Z	Grid-tied PV inverter	EnTest	2020/11/06		P2020082402	COCP2020082402	Yes	1. Legend: WhereV=2, 5, E or blank; W = blank or ACM; Y = INT; Z = blank, RMA or NM. 2.The inverter installation must be provided with an external RCD type B. 3. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQ7-60-V-W-Y-Z	Grid-tied PV inverter	EnTest	2020/11/06		P2020082402	COCP2020082402	Yes	1. Legend: WhereV=2, 5, E or blank; W = blank or ACM; Y = INT; Z = blank, RMA or NM. 2.The inverter installation must be provided with an external RCD type B. 3. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	Q-RELAY-1P-INT	Disconnect device	EnTest	2020/11/06		P2020082402	COCP2020082402	Yes	Q- RELAY must and may only be used with IQ7 Enphase Energy inverters.
Enphase Energy	Q-RELAY-3P-INT	Disconnect device	EnTest	2020/11/06		P2020082402	COCP2020082402	Yes	Q- RELAY must and may only be used with IQ7 Enphase Energy inverters.
Enphase Energy	IQ8AC-72-M-INT	Grid-tied PV inverter	EnTest	2023/09/12		P2023082801	COCP2023082801	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQ8HC-72-M-INT	Grid-tied PV inverter	EnTest	2023/09/12		P2023082801	COCP2023082801	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQ8MC-72-M-INT	Grid-tied PV inverter	EnTest	2023/09/12		P2023082801	COCP2023082801	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	Q-RELAY-1P-INT	Disconnect device	EnTest	2023/09/12		P2023082801	COCP2023082801	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	Q-RELAY-3P-INT	Disconnect device	EnTest	2023/09/12		P2023082801	COCP2023082801	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQ8P-72-M-INT	Grid-tied PV inverter	EnTest	2023/09/01		P2023080301	COCP2023080301	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	IQ8P-72-2-INT	Grid-tied PV inverter	EnTest	2023/09/01		P2023080301	COCP2023080301	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	Q-RELAY-1P-INT	Disconnect device	EnTest	2023/09/01		P2023080301	COCP2023080301	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
Enphase Energy	Q-RELAY-3P-INT	Disconnect device	EnTest	2023/09/01		P2023080301	COCP2023080301	Yes	1. The inverter installation must be provided with an external RCD type B. 2. Q- RELAY must and may only be used with these Enphase Energy inverters.
FOXESS	H1-6.0-E	Hybrid PV inverter grid-tied	TUV NORD & Donguan Balun	2023/05/22		TRPVP04044/23E/01	COCPVP04044/23-01	Yes	
FOXESS	H1-5.0-E	Hybrid PV inverter grid-tied	TUV NORD & Donguan Balun	2023/05/22		TRPVP04044/23E/01	COCPVP04044/23-01	Yes	
FOXESS	H1-4.6-E	Hybrid PV inverter grid-tied	TUV NORD & Donguan Balun	2023/05/22		TRPVP04044/23E/01	COCPVP04044/23-01	Yes	
FOXESS	H1-3.7-E	Hybrid PV inverter grid-tied	TUV NORD & Donguan Balun	2023/05/22		TRPVP04044/23E/01	COCPVP04044/23-01	Yes	
FOXESS	H1-3.0-E	Hybrid PV inverter grid-tied	TUV NORD & Donguan Balun	2023/05/22		TRPVP04044/23E/01	COCPVP04044/23-01	Yes	





Fronius	Symo Advanced 15.0-3-M	Grid-tied PV inverter	TUV Rheinland	2022/05/24	IT222JMT 002	AK 60163780 0001	Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
Fronius	Symo Advanced 17.5-3-M	Grid-tied PV inverter	TUV Rheinland	2022/05/24	IT222JMT 002	AK 60163780 0001	Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
Fronius	Symo Advanced 20.0-3-M	Grid-tied PV inverter	TUV Rheinland	2022/05/24	IT222JMT 002	AK 60163780 0001	Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
Goodwe	GW3648D-ES	Hybrid PV inverter grid-tied	TUV SUD	2018/11/12	704091815302-00	D 083373 0039 Rev.00	Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
Goodwe	GW5048D-ES	Hybrid PV inverter grid-tied	TUV SUD	2018/11/12	704091815302-00	D 083373 0039 Rev.00	Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
Goodwe	GW3048-EM	Hybrid PV inverter grid-tied	TUV Rheinland	2017/07/14	50085060 001	AK 50383738 0001	Yes	
Goodwe	GW3648-EM	Hybrid PV inverter grid-tied	TUV Rheinland	2017/07/14	50085060 001	AK 50383738 0001	Yes	
Goodwe	GW5048-EM	Hybrid PV inverter grid-tied	TUV Rheinland	2017/07/14	50085060 001	AK 50383738 0001	Yes	
Goodwe	GW4K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW5K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW6K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW9K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW10K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW12K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW15K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20	ZEM-190C0893FTSHP	U19-0609	Yes	
Goodwe	GW5000S-BP	Battery based inverter grid-tied	TUV Rheinland	2018/11/12	50180648 001	AK 50419930 0001	Yes	
Goodwe	GW3600S-BP	Battery based inverter grid-tied	TUV Rheinland	2018/11/12	50180648 001	AK 50419930 0001	Yes	
Goodwe	GW5K-ET	Hybrid PV inverter grid-tied	Bureau Veritas	2019/05/23	PVZA190507N014	1988AP0507N014001	Yes	
Goodwe	GW6K-ET	Hybrid PV inverter grid-tied	Bureau Veritas	2019/05/23	PVZA190507N014	1988AP0507N014001	Yes	
Goodwe	GW10K-ET	Hybrid PV inverter grid-tied	Bureau Veritas	2019/05/23	PVZA190507N014	1988AP0507N014001	Yes	
Goodwe	GW25K-MT	Grid-tied PV inverter	Bureau Veritas	2020/03/05	PVZA181008N021-R1	1888AP1008N021015	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW30K-MT	Grid-tied PV inverter	Bureau Veritas	2020/03/05	PVZA181008N021-R1	1888AP1008N021015	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW36K-MT	Grid-tied PV inverter	Bureau Veritas	2020/03/05	PVZA181008N021-R1	1888AP1008N021015	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW50K-MT	Grid-tied PV inverter	Bureau Veritas	2022/05/06	PVZA180903N057-R2	1888AP0903N057004	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW60K-MT	Grid-tied PV inverter	Bureau Veritas	2022/05/06	PVZA180903N057-R2	1888AP0903N057004	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW50KN-MT	Grid-tied PV inverter	Bureau Veritas	2022/05/06	PVZA180903N057-R2	1888AP0903N057004	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW60KN-MT	Grid-tied PV inverter	Bureau Veritas	2022/05/06	PVZA180903N057-R2	1888AP0903N057004	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW 3000D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19	PVZA190627N029	1988APO627N029001	Yes	
Goodwe	GW 3600D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19	PVZA190627N029	1988APO627N029001	Yes	
Goodwe	GW 4200D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19	PVZA190627N029	1988APO627N029001	Yes	
Goodwe	GW 5000D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19	PVZA190627N029	1988APO627N029001	Yes	
Goodwe	GW 6000D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19	PVZA190627N029	1988APO627N029001	Yes	
Goodwe	GW 20KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17	ASBJ-190C2322FTSHS	U20-0270	Yes	
Goodwe	GW 17KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17	ASBJ-190C2322FTSHS	U20-0270	Yes	
Goodwe	GW 15KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17	ASBJ-190C2322FTSHS	U20-0270	Yes	
Goodwe	GW 12KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17	ASBJ-190C2322FTSHS	U20-0270	Yes	
Goodwe	GW 100K-HT	Grid-tied PV inverter	TUV Rheinland	2020/12/24	CN20W6U3 001	AK 50490607 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW 110K-HT	Grid-tied PV inverter	TUV Rheinland	2020/12/24	CN20W6U3 001	AK 50490607 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW 120K-HT	Grid-tied PV inverter	TUV Rheinland	2020/12/24	CN20W6U3 001	AK 50490607 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW 136K-HTH	Grid-tied PV inverter	TUV Rheinland	2020/12/24	CN20W6U3 001	AK 50490607 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used. This 500 V a.c. inverter may only be used in plants connected to the grid via an external customer MV/LV AC transformer.
Goodwe	GW 17KT-DT	Hybrid PV inverter grid-tied	TUV Rheinland	2022/04/15	60395681 002	AK 50540008 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW 20KT-DT	Hybrid PV inverter grid-tied	TUV Rheinland	2022/04/15	60395681 002	AK 50540008 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW 25KT-DT	Hybrid PV inverter grid-tied	TUV Rheinland	2022/04/15	60395681 002	AK 50540008 0001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW50KS-MT	Grid-tied PV inverter	TUV NORD & Donguan Balun	2022/06/07	TRPPV11058/21E/02	COCPVP11058/21E-04	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW60KS-MT	Grid-tied PV inverter	TUV NORD & Donguan Balun	2022/06/07	TRPPV11058/21E/02	COCPVP11058/21E-04	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW3000-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW3600-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW5000-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW6000-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW3600M-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW5000M-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW6000M-ES-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW5000-SBP-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW6000-SBP-20	Hybrid PV inverter grid-tied	TUV Rheinland	2022/07/06	CN22SCQU 001	AK 50550767 0001	Yes	
Goodwe	GW80K-MT	Grid-tied PV inverter	Bureau Veritas	2022/08/10	PVZA191217N016-R2	2288AP080035001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Goodwe	GW15K-ET	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/06	CN23Y4NN 001	AK 50583164 0001	Yes	
Goodwe	GW20K-ET	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/06	CN23Y4NN 001	AK 50583164 0001	Yes	
Goodwe	GW25K-ET	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/06	CN23Y4NN 001	AK 50583164 0001	Yes	
Goodwe	GW29.9K-ET	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/06	CN23Y4NN 001	AK 50583164 0001	Yes	
Goodwe	GW36K-ET	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/06	CN23Y4NN 001	AK 50583164 0001	Yes	
Greenich	GR-3K1P-L-PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29	704092367601-00	D 122220 0003 Rev.00	Yes	
Greenich	GR-3.6K1P-L-PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29	704092367601-00	D 122220 0003 Rev.00	Yes	
Greenich	GR-5K1P-L-PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29	704092367601-00	D 122220 0003 Rev.00	Yes	
Greenich	GR-6K1P-L-PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29	704092367601-00	D 122220 0003 Rev.00	Yes	
Greenich	GR-8K1P-L-PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/08/29	704092367601-00	D 122220 0003 Rev.00	Yes	
Growatt	MAX 100KTL3-X LV	Grid-tied PV inverter	Intertek	2023/11/23	230908087GZU-001	CN-PV-230647	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used. Applicant requirements: List only this model.
Growatt	MAX 110KTL3-X LV	Grid-tied PV inverter	Intertek	2023/11/23	230908087GZU-001	CN-PV-230647	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used. Applicant requirements: List only this model.
Growatt	MAX 120KTL3-X LV	Grid-tied PV inverter	Intertek	2023/11/23	230908087GZU-001	CN-PV-230647	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used. Applicant requirements: List only this model.
Growatt	MAX 125KTL3-X LV	Grid-tied PV inverter	Intertek	2023/11/23	230908087GZU-001	CN-PV-230647	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used. Applicant requirements: List only this model.
Growatt	SPH10000TL-HU	Hybrid PV inverter grid-tied	TUV NORD & Donguan Balun	2023/12/12	TRPPV05109/23B/01	COCPV05109/23B-01	Yes	
Growatt	SPH3000TL-BL-UP	Hybrid PV inverter grid-tied	Intertek	2019/10/25	190719102GZU-001	CN-PV-190037	Yes	
Growatt	SPH3600TL-BL-UP	Hybrid PV inverter grid-tied	Intertek	2019/10/25	190719102GZU-001	CN-PV-190037	Yes	
Growatt	SPH4000TL-BL-UP	Hybrid PV inverter grid-tied	Intertek	2019/10/25	190719102GZU-001	CN-PV-190037	Yes	
Growatt	SPH4600TL-BL-UP	Hybrid PV inverter grid-tied	Intertek	2019/10/25	190719102GZU-001	CN-PV-190037	Yes	
Growatt	SPH5000TL-BL-UP	Hybrid PV inverter grid-tied	Intertek	2019/10/25	190719102GZU-001	CN-PV-190037	Yes	
Growatt	SPH6000TL-BL-UP	Hybrid PV inverter grid-tied	Intertek	2019/10/25	190719102GZU-001	CN-PV-190037	Yes	
Growcol	GHyper-3000	Hybrid PV inverter grid-tied	Dekra	2021/08/20	6111798.51	6111798.02AOC	Yes	







InHenergy	HI-3.6K-SL	Hybrid PV inverter grid-tied	Intertek	2023/05/04		230222091GZU-001	CN-PV-230215		Yes	
InHenergy	HI-4K-SL	Hybrid PV inverter grid-tied	Intertek	2023/05/04		230222091GZU-001	CN-PV-230215		Yes	
InHenergy	HI-5K-SL	Hybrid PV inverter grid-tied	Intertek	2023/05/04		230222091GZU-001	CN-PV-230215		Yes	
InHenergy	HI-6K-SL	Hybrid PV inverter grid-tied	Intertek	2023/05/04		230222091GZU-001	CN-PV-230215		Yes	
INVT	BD3KTL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31834.01	D 072237 0134 Rev.00		Yes	
INVT	BD3K6TL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31834.01	D 072237 0134 Rev.00		Yes	
INVT	BD4KTL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31834.01	D 072237 0134 Rev.00		Yes	
INVT	BD4K6TL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31834.01	D 072237 0134 Rev.00		Yes	
INVT	BD5KTL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31834.01	D 072237 0134 Rev.00		Yes	
INVT	BD6KTL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31834.01	D 072237 0134 Rev.00		Yes	
INVT	BD8KTL-RL-1	Hybrid PV inverter grid-tied	TUV SUD	2023/03/01		64.290.22.31835.01	D 072237 0135 Rev.00		Yes	
INVT	BD3KTL-RL1	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30050.01	D 093811 0053 Rev.00		Yes	
INVT	BD3K6TL-RL1	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30050.01	D 093811 0053 Rev.00		Yes	
INVT	BD4KTL-RL1	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30050.01	D 093811 0053 Rev.00		Yes	
INVT	BD4K6TL-RL1	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30050.01	D 093811 0053 Rev.00		Yes	
INVT	BD5KTL-RL1	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30050.01	D 093811 0053 Rev.00		Yes	
INVT	BD6KTL-RL1	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30050.01	D 093811 0053 Rev.00		Yes	
INVT	IMARS XD3KTL	Hybrid PV inverter grid-tied	Intertek	2023/09/12		230209064GZU-001	CN-PV-230531		Yes	
INVT	IMARS XD3K6TL	Hybrid PV inverter grid-tied	Intertek	2023/09/12		230209064GZU-001	CN-PV-230531		Yes	
INVT	IMARS XD4KTL	Hybrid PV inverter grid-tied	Intertek	2023/09/12		230209064GZU-001	CN-PV-230531		Yes	
INVT	IMARS XD4K6TL	Hybrid PV inverter grid-tied	Intertek	2023/09/12		230209064GZU-001	CN-PV-230531		Yes	
INVT	IMARS XD5KTL	Hybrid PV inverter grid-tied	Intertek	2023/09/12		230209064GZU-001	CN-PV-230531		Yes	
INVT	IMARS XD6KTL	Hybrid PV inverter grid-tied	Intertek	2023/09/12		230209064GZU-001	CN-PV-230531		Yes	
iPotisEdge	IPS-3.6K-L60-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-3.68K-L60-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-4.6K-L60-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-5K-L60-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-6K-L60-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-4.6K-L120-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-5K-L120-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
iPotisEdge	IPS-6K-L120-S	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/07		CN23R9MK 001	AK 50592898 0001		Yes	
Jinko	JKH30L-TA	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2023/03/08		TRPV01087/23E/01	COCPPV01087/23E-01		Yes	
Jinko	JKH50L-TA	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2023/03/08		TRPV01087/23E/01	COCPPV01087/23E-01		Yes	
Jinko	JKH100L-TA	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2023/03/08		TRPV01087/23E/01	COCPPV01087/23E-01		Yes	
Jinko	JKH150L-TA	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2023/03/08		TRPV01087/23E/01	COCPPV01087/23E-01		Yes	
Jinko	JKH250L-TA	Hybrid PV inverter grid-tied	TUV Rheinland	2023/02/21		CN229F6J 002	AK 5057 4863 0001		Yes	
Jinko	JKH500L-TA	Hybrid PV inverter grid-tied	TUV Rheinland	2023/02/21		CN229F6J 002	AK 5057 4863 0001		Yes	
Jinko	JKS-3HLVS-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/04/14		64.290.23.30521.01	D 118443 0019 Rev.00		Yes	
Jinko	JKS-3.6HLVS-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/04/14		64.290.23.30521.01	D 118443 0019 Rev.00		Yes	
Jinko	JKS-4HLVS-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/04/14		64.290.23.30521.01	D 118443 0019 Rev.00		Yes	
Jinko	JKS-4.6HLVS-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/04/14		64.290.23.30521.01	D 118443 0019 Rev.00		Yes	
Jinko	JKS-5HLVS-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/04/14		64.290.23.30521.01	D 118443 0019 Rev.00		Yes	
Jinko	JKS-6HLVS-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/04/14		64.290.23.30521.01	D 118443 0019 Rev.00		Yes	
Kehua	BCS50K-A	Battery based inverter grid-tied	TUV SUD	2022/09/22		64.290.22.30151.01	D 115067 0036 Rev.00		Yes	The energy storage inverter is not equipped with integrated network and system (NS) protection. External to the converter NS protection required with a City listed NS grid protection voltage and frequency relay and appropriately sized two in series contactors according to NRS 097-2-1 requirements and default settings.
Kehua	BCS100K-A	Battery based inverter grid-tied	TUV SUD	2022/09/22		64.290.22.30151.01	D 115067 0036 Rev.00		Yes	The energy storage inverter is not equipped with integrated network and system (NS) protection. External to the converter NS protection required with a City listed NS grid protection voltage and frequency relay and appropriately sized two in series contactors according to NRS 097-2-1 requirements and default settings.
Kehua	BCS250K-A	Battery based inverter grid-tied	TUV SUD	2022/09/22		64.290.22.30151.01	D 115067 0036 Rev.00		Yes	The energy storage inverter is not equipped with integrated network and system (NS) protection. External to the converter NS protection required with a City listed NS grid protection voltage and frequency relay and appropriately sized two in series contactors according to NRS 097-2-1 requirements and default settings.
Kehua	BCS500K-A	Battery based inverter grid-tied	TUV SUD	2022/09/22		64.290.22.30151.01	D 115067 0036 Rev.00		Yes	The energy storage inverter is not equipped with integrated network and system (NS) protection. External to the converter NS protection required with a City listed NS grid protection voltage and frequency relay and appropriately sized two in series contactors according to NRS 097-2-1 requirements and default settings.
KNYEE	LH5K-SL	Hybrid PV inverter grid-tied	Intertek	2023/09/14		2308A0281SHA-001	CN-PV-230529		Yes	Applicant requirements: List only this model.
KNYEE	LH6K-SL	Hybrid PV inverter grid-tied	Intertek	2023/09/14		2308A0281SHA-001	CN-PV-230529		Yes	Applicant requirements: List only this model.
Kodak	Kodak I3.0	Grid-tied PV inverter	Dekra	2019/12/10		6065813.50	6065813.01AOC		Yes	
Kodak	Kodak I3.6	Grid-tied PV inverter	Dekra	2019/12/10		6065813.50	6065813.01AOC		Yes	
Kodak	Kodak I4.6	Grid-tied PV inverter	Dekra	2019/12/10		6065813.50	6065813.01AOC		Yes	
Kodak	Kodak H3.0	Hybrid PV inverter grid-tied	TUV Rheinland	2019/12/17		50173405 002	AK 50454890 0001		Yes	
Kodak	Kodak H3.6	Hybrid PV inverter grid-tied	TUV Rheinland	2019/12/17		50173405 002	AK 50454890 0001		Yes	
Kodak	Kodak H4.6	Hybrid PV inverter grid-tied	TUV Rheinland	2019/12/17		50173405 002	AK 50454890 0001		Yes	
Koyoe	KY-1Hybrid-5K0-H	Hybrid PV inverter grid-tied	Intertek	2021/01/22		201102063GZU-001	CN-PV-210016		Yes	
Koyoe	KY-1Hybrid-5K0-H-A	Hybrid PV inverter grid-tied	Intertek	2021/06/21		210525156GZU-001	CN-PV-210154		Yes	
Koyoe	KY-ESS3K0H	Hybrid PV inverter grid-tied	TUV NORD	2023/07/03		TRPV03166/23E/01	COCPPV03166/23E-02		Yes	
Koyoe	KY-ESS4K2H	Hybrid PV inverter grid-tied	TUV NORD	2023/07/03		TRPV03166/23E/01	COCPPV03166/23E-02		Yes	
Koyoe	KY-ESS5K0H	Hybrid PV inverter grid-tied	TUV NORD	2023/07/03		TRPV03166/23E/01	COCPPV03166/23E-02		Yes	
Koyoe	KY-ESS6K0H	Hybrid PV inverter grid-tied	TUV NORD	2023/07/03		TRPV03166/23E/01	COCPPV03166/23E-02		Yes	
Koyoe	KY-ESS7K0H	Hybrid PV inverter grid-tied	TUV NORD	2023/07/03		TRPV03166/23E/01	COCPPV03166/23E-02		Yes	
Koyoe	KY-ESS8K0H	Hybrid PV inverter grid-tied	TUV NORD	2023/07/03		TRPV03166/23E/01	COCPPV03166/23E-02		Yes	
Koyoe	KY-EST30KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST35KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST40KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST45KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST50KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST55KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST60KH	Hybrid PV inverter grid-tied	TUV NORD	2023/05/31		TRPV03166/23E/02	COCPPV03166/23E-01		Yes	
Koyoe	KY-EST06KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST08KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST10KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST12KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST15KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST17KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST20KH-A	Hybrid PV inverter grid-tied	TUV NORD	2021/12/30		TRPV04039/21E/09	COCPPV04039/21E-02		Yes	
Koyoe	KY-EST06KH	Hybrid PV inverter grid-tied	TUV NORD	2021/10/15		TRPV04039/21E/04	COCPPV04039/21E-01		Yes	
Koyoe	KY-EST08KH	Hybrid PV inverter grid-tied	TUV NORD	2021/10/15		TRPV04039/21E/04	COCPPV04039/21E-01		Yes	
Koyoe	KY-EST10KH	Hybrid PV inverter grid-tied	TUV NORD	2021/10/15		TRPV04039/21E/04	COCPPV04039/21E-01		Yes	
Koyoe	KY-EST12KH	Hybrid PV inverter grid-tied	TUV NORD	2021/10/15		TRPV04039/21E/04	COCPPV04039/21E-01		Yes	



Ohm	OHM-5K-W	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/02/26		BL-SZ1910095-B02	BL-SZ1910095-D02	Yes		
Ohm	OHM-3.6K-W	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/02/26		BL-SZ1910095-B02	BL-SZ1910095-D02	Yes		
Onesto	OST 4600HB-60	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 5000HB-60	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 6000HB-60	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 4600HB-120	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 5000HB-120	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 6000HB-120	Hybrid PV inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 4K6AC	Battery based inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 5KAC	Battery based inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Onesto	OST 6KAC	Battery based inverter grid-tied	TUV Rheinland	2023/05/11		CN23UTJN 001	AK 50580973 0001		Yes	
Ouco	M3KES	Hybrid PV inverter grid-tied	TUV SUD	2022/01/25		64.290.22.30047.01	D 115420 0001 Rev.00		Yes	
Ouco	M3K6ES	Hybrid PV inverter grid-tied	TUV SUD	2022/01/25		64.290.22.30047.01	D 115420 0001 Rev.00		Yes	
Ouco	M4KES	Hybrid PV inverter grid-tied	TUV SUD	2022/01/25		64.290.22.30047.01	D 115420 0001 Rev.00		Yes	
Ouco	M4K6ES	Hybrid PV inverter grid-tied	TUV SUD	2022/01/25		64.290.22.30047.01	D 115420 0001 Rev.00		Yes	
Ouco	M5KES	Hybrid PV inverter grid-tied	TUV SUD	2022/01/25		64.290.22.30047.01	D 115420 0001 Rev.00		Yes	
Ouco	M6KES	Hybrid PV inverter grid-tied	TUV SUD	2022/01/25		64.290.22.30047.01	D 115420 0001 Rev.00		Yes	
Ouco	M6KDS	Hybrid PV inverter grid-tied	TUV SUD	2022/01/27		64.290.22.30048.01	D 115420 0002 Rev.00		Yes	
Powercent	PC-INV-SPH3.6K	Hybrid PV inverter grid-tied	Intertek	2023/08/02		230501592SHA-001 Revision 1	CN-PV-230318R1		Yes	
Powercent	PC-INV-SPH5K	Hybrid PV inverter grid-tied	Intertek	2023/08/02		230501592SHA-001 Revision 1	CN-PV-230318R1		Yes	
Powercent	PC-INV-SPB5K	Hybrid PV inverter grid-tied	Intertek	2023/08/02		230501592SHA-001 Revision 1	CN-PV-230318R1		Yes	
Powercannk	GH-3KHL	Hybrid PV inverter grid-tied	TUV SUD	2022/11/11		64.290.22.31476.01	D 110578 0002 Rev.00		Yes	
Powercannk	GH-3K6HL	Hybrid PV inverter grid-tied	TUV SUD	2022/11/11		64.290.22.31476.01	D 110578 0002 Rev.00		Yes	
Powercannk	GH-4KHL	Hybrid PV inverter grid-tied	TUV SUD	2022/11/11		64.290.22.31476.01	D 110578 0002 Rev.00		Yes	
Powercannk	GH-4K6HL	Hybrid PV inverter grid-tied	TUV SUD	2022/11/11		64.290.22.31476.01	D 110578 0002 Rev.00		Yes	
Powercannk	GH-5KHL	Hybrid PV inverter grid-tied	TUV SUD	2022/11/11		64.290.22.31476.01	D 110578 0002 Rev.00		Yes	
Powercannk	GH-6KHL	Hybrid PV inverter grid-tied	TUV SUD	2022/11/11		64.290.22.31476.01	D 110578 0002 Rev.00		Yes	
Rentech	HYD 3000-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	HYD 3680-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	HYD 4000-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	HYD 4600-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	HYD 5000-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	HYD 5500-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	HYD 6000-EP	Hybrid PV inverter grid-tied	Intertek	2020/12/22		201207035GZU-001	CN-PV-200172	Yes		
Rentech	INFINISOLAR PLUS 5 kW	Hybrid PV inverter grid-tied	Bureau Veritas	2021/02/20		PVZA2101WDG0269	2188AP0269001		Yes	
Royal	RH 3.6K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		2305A0674SHA-001	CN-PV-230383		Yes	
Royal	RH 4K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		2305A0674SHA-001	CN-PV-230383		Yes	
Royal	RH 4.6K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		2305A0674SHA-001	CN-PV-230383		Yes	
Royal	RH 5K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		2305A0674SHA-001	CN-PV-230383		Yes	
Royal	RH 6K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		2305A0674SHA-001	CN-PV-230383		Yes	
Royal	RH 7K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		221102934SHA-004	CN-PV-230379		Yes	
Royal	RH 8K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		221102934SHA-004	CN-PV-230379		Yes	
Royal	RH 9K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		221102934SHA-004	CN-PV-230379		Yes	
Royal	RH 10K-1PLVG1-EU	Hybrid PV inverter grid-tied	Intertek	2023/06/30		221102934SHA-004	CN-PV-230379		Yes	
RoyPow	SUN3600S-SE	Hybrid PV inverter grid-tied	TUV SUD	2023/06/29		64.290.23.30701.01	D 117120 0005 Rev.00		Yes	
RoyPow	SUN4600S-SE	Hybrid PV inverter grid-tied	TUV SUD	2023/06/29		64.290.23.30701.01	D 117120 0005 Rev.00		Yes	
RoyPow	SUN5000S-SE	Hybrid PV inverter grid-tied	TUV SUD	2023/06/29		64.290.23.30701.01	D 117120 0005 Rev.00		Yes	
RoyPow	SUN6000S-SE	Hybrid PV inverter grid-tied	TUV SUD	2023/06/29		64.290.23.30701.01	D 117120 0005 Rev.00		Yes	
SAJ	H1-3K-S2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
SAJ	H1-3.6K-S2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
SAJ	H1-4K-S2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
SAJ	H1-4.6K-LS2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
SAJ	H1-5K-LS2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
SAJ	H1-4.6K-S2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
SAJ	H1-5K-S2	Hybrid PV inverter grid-tied	TUV SUD	2022/11/18		64.290.20.30788.02	D 077831 0019 Rev.01		Yes	
Salvare	Salvare 6 PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/11/10		64.290.23.31727.01	D 123264 0001 Rev.00		Yes	
Salvare	Salvare 10 PRO	Hybrid PV inverter grid-tied	TUV SUD	2023/11/10		64.290.23.31727.01	D 123264 0001 Rev.00		Yes	
Schneider	Conext CL-60E	Grid-tied PV inverter	TUV SUD	2018/02/09		701261703501-01	D 18 01 98208 006		Yes	
Schneider	XW-8548E	Battery based inverter grid-tied	TUV Rheinland	2020/08/11		50328684 002	AK 50477341 0001		Yes	
Schneider	CL 33	Grid-tied PV inverter	TUV NORD & Shenzhen Balun	2021/02/09		TRPVP11115/20B/01_R2	COCPPV11115/20B_R1	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Schneider	CL50	Grid-tied PV inverter	TUV NORD & Shenzhen Balun	2021/02/09		TRPVP11115/20B/01_R2	COCPPV11115/20B_R1	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sermatec	SMT-5K-TL-LV	Hybrid PV inverter grid-tied	TUV SUD	2019/06/25		64.290.19.01426.01	D 102650 0007		Yes	
Sermatec	SMT-10K-TL-TH	Hybrid PV inverter grid-tied	TUV SUD	2019/07/25		64.290.18.04743.01	D 102650 0009		Yes	
Sigenergy	SigenStor EC 3.0 SP	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/19		CN23Q55Z 001	AK 50598929 0001		Yes	
Sigenergy	SigenStor EC 3.6 SP	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/19		CN23Q55Z 001	AK 50598929 0001		Yes	
Sigenergy	SigenStor EC 4.0 SP	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/19		CN23Q55Z 001	AK 50598929 0001		Yes	
Sigenergy	SigenStor EC 4.6 SP	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/19		CN23Q55Z 001	AK 50598929 0001		Yes	
Sigenergy	SigenStor EC 5.0 SP	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/19		CN23Q55Z 001	AK 50598929 0001		Yes	
Sigenergy	SigenStor EC 6.0 SP	Hybrid PV inverter grid-tied	TUV Rheinland	2023/08/19		CN23Q55Z 001	AK 50598929 0001		Yes	
Sigenergy	SigenStor EC 8.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	SigenStor EC 10.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	SigenStor EC 12.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	SigenStor EC 15.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	SigenStor EC 17.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	SigenStor EC 20.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	SigenStor EC 25.0 TP	Hybrid PV inverter grid-tied	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 8.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 10.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 12.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 15.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 17.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 20.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sigenergy	Sigen PV Max 25.0 TP	Grid-tied PV inverter	Intertek	2024/01/09		230705154GZU-001	CN-PV-240012		Yes	
Sineng	SP-120K-BL	Grid-tied PV inverter	TUV SUD	2022/12/28		70.409.22.302.06-00 A1	D 091566 0040 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sineng	SP-120K-L	Grid-tied PV inverter	TUV SUD	2022/12/28		70.409.22.302.06-00 A1	D 091566 0040 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.

Sinexcel	PWG2-50K-EX	Hybrid PV inverter grid-tied	TÜV SÜD	2021/09/10		64.290.21.30201.02	D 076777 0016 Rev. 01		Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA. Inverter not equipped with an internal disconnection device and an external City listed network and system grid protection voltage and frequency relay must be provided with appropriately sized electromechanical switches.
Sinexcel	PWG2-100K-EX	Hybrid PV inverter grid-tied	TÜV SÜD	2021/09/10		64.290.21.30201.02	D 076777 0016 Rev. 01		Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA. Inverter not equipped with an internal disconnection device and an external City listed network and system grid protection voltage and frequency relay must be provided with appropriately sized electromechanical switches.
Sinotec	HT-5KW-A	Hybrid PV inverter grid-tied	TUV NORD	2023/12/05		TRPVP11012/23E-01	COCPPV11012/23E-01		Yes	
Sinotec	HT-6KW-A	Hybrid PV inverter grid-tied	TUV NORD	2023/12/05		TRPVP11012/23E-01	COCPPV11012/23E-01		Yes	
SMA	STP50-40	Grid-tied PV inverter	Bureau Veritas	2023/03/08		17TH0199-NRS 097-2-1_4	U23-0185		Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SMA	STP50-41	Grid-tied PV inverter	Bureau Veritas	2023/03/08		17TH0199-NRS 097-2-1_4	U23-0185		Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SMA	STP60-10	Grid-tied PV inverter	Bureau Veritas	2018/09/26		14TH0075-NRS 097-2-1_3	U18-0451	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SMA	SHP75-10	Grid-tied PV inverter	Bureau Veritas	2018/09/26		14TH0075-NRS 097-2-1_3	U18-0451	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SMA	STPS 60-10	Hybrid PV inverter grid-tied	Bureau Veritas	2018/09/26		14TH0075-NRS 097-2-1_3	U18-0451	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SMA	SB3.0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2023/01/20		16TH0348-NRS 097-2-1_1	U23-0041		Yes	
SMA	SB3.6-1AV-41	Grid-tied PV inverter	Bureau Veritas	2023/01/20		16TH0348-NRS 097-2-1_1	U23-0041		Yes	
SMA	SB4.0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2023/01/20		16TH0348-NRS 097-2-1_1	U23-0041		Yes	
SMA	SB5.0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2023/01/20		16TH0348-NRS 097-2-1_1	U23-0041		Yes	
SMA	SB6.0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2023/01/20		16TH0348-NRS 097-2-1_1	U23-0041		Yes	
SMA	STP 15000TL-30	Grid-tied PV inverter	Bureau Veritas	2020/08/13		14TH0304-NRS 097-2-1-2017_0	U20-0641		Yes	
SMA	STP 20000TL-30	Grid-tied PV inverter	Bureau Veritas	2020/08/13		14TH0304-NRS 097-2-1-2017_0	U20-0641		Yes	
SMA	STP 25000TL-30	Grid-tied PV inverter	Bureau Veritas	2020/08/13		14TH0304-NRS 097-2-1-2017_0	U20-0641		Yes	
SMA	STP 110-60	Grid-tied PV inverter	TÜV SÜD	2021/01/21		704092001861-00	D 0701220019 Rev. 00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
SMA	STP3.0-3AV-40	Grid-tied PV inverter	Bureau Veritas	2021/07/14		18TH0325-NRS-2-1_0	U21-0661		Yes	
SMA	STP4.0-3AV-40	Grid-tied PV inverter	Bureau Veritas	2021/07/14		18TH0325-NRS-2-1_0	U21-0661		Yes	
SMA	STP5.0-3AV-40	Grid-tied PV inverter	Bureau Veritas	2021/07/14		18TH0325-NRS-2-1_0	U21-0661		Yes	
SMA	STP6.0-3AV-40	Grid-tied PV inverter	Bureau Veritas	2021/07/14		18TH0325-NRS-2-1_0	U21-0661		Yes	
SMA	STP8.0-3AV-40	Grid-tied PV inverter	Bureau Veritas	2021/07/14		18TH0325-NRS-2-1_0	U21-0661		Yes	
SMA	STP10.0-3AV-40	Grid-tied PV inverter	Bureau Veritas	2021/07/14		18TH0325-NRS-2-1_0	U21-0661		Yes	
SMA	STP5.0-3SE-40	Hybrid PV inverter grid-tied	TUV Rheinland	2022/02/21		CN210918 001	AK 50510847 0001		Yes	
SMA	STP6.0-3SE-40	Hybrid PV inverter grid-tied	TUV Rheinland	2022/02/21		CN210918 001	AK 50510847 0001		Yes	
SMA	STP8.0-3SE-40	Hybrid PV inverter grid-tied	TUV Rheinland	2022/02/21		CN210918 001	AK 50510847 0001		Yes	
SMA	STP10.0-3SE-40	Hybrid PV inverter grid-tied	TUV Rheinland	2022/02/21		CN210918 001	AK 50510847 0001		Yes	
SMA	STP12-50	Grid-tied PV inverter	TUV SUD	2023/04/03		713254379-006	ESY 070122 0044 Rev.00		Yes	
SMA	STP16-50	Grid-tied PV inverter	TUV SUD	2023/04/03		713254379-006	ESY 070122 0044 Rev.00		Yes	
SMA	STP20-50	Grid-tied PV inverter	TUV SUD	2023/04/03		713254379-006	ESY 070122 0044 Rev.00		Yes	
SMA	STP25-50	Grid-tied PV inverter	TUV SUD	2023/04/03		713254379-006	ESY 070122 0044 Rev.00		Yes	
SMA	SI4.4M-13	Battery based inverter grid-tied	Bureau Veritas	2023/08/16		13TH0287-NRS-2-1_1	U23-0695		Yes	
SMA	SI6.0M-13	Battery based inverter grid-tied	Bureau Veritas	2023/08/16		13TH0287-NRS-2-1_1	U23-0695		Yes	
SMA	SI8.0M-13	Battery based inverter grid-tied	Bureau Veritas	2023/08/16		13TH0287-NRS-2-1_1	U23-0695		Yes	
Sofar Solar	HYD 6000-ES	Hybrid PV inverter grid-tied	Intertek	2019/07/16		190603089GZU-001	190603089GZU-001		Yes	
Sofar Solar	HYD 5000-ES	Hybrid PV inverter grid-tied	Intertek	2019/07/16		190603089GZU-001	190603089GZU-001		Yes	
Sofar Solar	HYD 4000-ES	Hybrid PV inverter grid-tied	Intertek	2019/07/16		190603089GZU-001	190603089GZU-001		Yes	
Sofar Solar	HYD 3600-ES	Hybrid PV inverter grid-tied	Intertek	2019/07/16		190603089GZU-001	190603089GZU-001		Yes	
Sofar Solar	HYD 3000-ES	Hybrid PV inverter grid-tied	Intertek	2019/07/16		190603089GZU-001	190603089GZU-001		Yes	
Sofar Solar	60000TL	Grid-tied PV inverter	Intertek	2019/12/19		191025090GZU-001	CN-PV-190090		Yes	
Sofar Solar	50000TL	Grid-tied PV inverter	Intertek	2019/12/19		191025090GZU-001	CN-PV-190090		Yes	
Sofar Solar	HYD 8KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/07/10		BL-DG2060517B01	BL-DG2060517B01		Yes	
Sofar Solar	HYD 6KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/07/10		BL-DG2060517B01	BL-DG2060517B01		Yes	
Sofar Solar	HYD 8KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/07/10		BL-DG2060517B01	BL-DG2060517B01		Yes	
Sofar Solar	HYD 10KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/07/10		BL-DG2060517B01	BL-DG2060517B01		Yes	
Sofar Solar	HYD 15KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/07/10		BL-DG2060517B01	BL-DG2060517B01		Yes	
Sofar Solar	HYD 20KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun	2020/07/10		BL-DG2060517B01	BL-DG2060517B01		Yes	
Sofar Solar	3KTLM-G3	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
Sofar Solar	3.6KTLM-G3	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
Sofar Solar	4KTLM-G3	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
Sofar Solar	4.6KTLM-G3	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
Sofar Solar	5KTLM-G3	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
Sofar Solar	5KTLM-G3-A	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
Sofar Solar	6KTLM-G3	Grid-tied PV inverter	Intertek	2021/08/09		210715145GZU-002	CN-PV-210185		Yes	
SolarEdge	SE25K	Grid-tied PV inverter	Bureau Veritas	2020/12/19		19TH0534-NRS 097-2-1_2	U20-1043		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE27.6K	Grid-tied PV inverter	Bureau Veritas	2020/12/19		19TH0534-NRS 097-2-1_2	U20-1043		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE30K	Grid-tied PV inverter	Bureau Veritas	2020/12/19		19TH0534-NRS 097-2-1_2	U20-1043		Yes	For 277 Vdc L-N / 480 vac L-L grid, inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer. Grid connection inverter with 230 V, L-N / 400Vac, L-L output is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE33.3K	Grid-tied PV inverter	Bureau Veritas	2020/12/19		19TH0534-NRS 097-2-1_2	U20-1043		Yes	For both 230 V, L-N / 400Vac, L-L and 277 Vdc L-N / 480 vac L-L output, inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SolarEdge	SE40K	Grid-tied PV inverter	Bureau Veritas	2020/12/19		19TH0534-NRS 097-2-1_2	U20-1043		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE50K	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE55K	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE66.6K	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE82.8K	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE100K	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	Grid connection inverter for 230 V, L-N / 400Vac, L-L output only and is intended with and without AC transformer for Category A2 and A3 plant.
SolarEdge	SE66.6K*	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	Model with AC output voltage 277 Vdc L-N / 480 vac L-L, is intended for grid connection with an external customer MV/LV AC transformer and only for plants with Category A3: 100 kVA - 1MVA.
SolarEdge	SE80K*	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	For both 230 V, L-N / 400Vac, L-L and 277 Vdc L-N / 480 vac L-L output, inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.
SolarEdge	SE120K*	Grid-tied PV inverter	Bureau Veritas	2021/06/07		20TH0532-NRS 097-2-1_0	U21-0499		Yes	For both 230 V, L-N / 400Vac, L-L and 277 Vdc L-N / 480 vac L-L output, inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MV/LV AC transformer.







Solplanet	ASW45K-LT-G2	Grid-tied PV inverter	TÜV SÜD	2022/07/25		70.409.22.286.25-00	D 099567 0067 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solplanet	ASW50K-LT-G2	Grid-tied PV inverter	TÜV SÜD	2022/07/25		70.409.22.286.25-00	D 099567 0067 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solplanet	ASW40K-LT-G2 Pro	Grid-tied PV inverter	TÜV SÜD	2022/07/25		70.409.22.286.25-00	D 099567 0067 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solplanet	ASW45K-LT-G2 Pro	Grid-tied PV inverter	TÜV SÜD	2022/07/25		70.409.22.286.25-00	D 099567 0067 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solplanet	ASW50K-LT-G2 Pro	Grid-tied PV inverter	TÜV SÜD	2022/07/25		70.409.22.286.25-00	D 099567 0067 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Soltaro	SOL-10KW-3P	Hybrid PV inverter grid-tied	TUV SUD	2019/07/26		6429018047301A	D 104877 0003		Yes	
Sungrow	SH6K-20	Hybrid PV inverter grid-tied	Dekra	2018/05/31		6025450.51	6025450.02AOC		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SH5K-30	Hybrid PV inverter grid-tied	Dekra	2020/03/27		6072682.50	6072682.01AOC		Yes	
Sungrow	SG36KTL-M	Grid-tied PV inverter	TUV SUD	2018/03/26		704091708604-01	D180373342197		Yes	
Sungrow	SG60KTL	Grid-tied PV inverter	TUV SUD	2018/02/08		704091708605-01	D180173342198		Yes	
Sungrow	SG80KTL	Grid-tied PV inverter	Dekra	2018/07/11		6035428.50	6035428.01AOC		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG80KTL-20	Grid-tied PV inverter	Dekra	2018/07/11		6035428.50	6035428.01AOC		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG33CX	Grid-tied PV inverter	TUV NORD & Shenzhen Balun	2020/03/19		TRSHV11090/19/01_R2	COCSHV11090/19-01_R1		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG40CX	Grid-tied PV inverter	TUV NORD & Shenzhen Balun	2020/03/19		TRSHV11090/19/01_R2	COCSHV11090/19-01_R1		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG50CX	Grid-tied PV inverter	TUV NORD & Shenzhen Balun	2020/03/19		TRSHV11090/19/01_R2	COCSHV11090/19-01_R1		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG110CX	Grid-tied PV inverter	TUV NORD & Shenzhen Balun	2020/03/19		TRSHV11090/19/02_R2	COCSHV11090/19-02_R1		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SH5.0RT	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04		Yes	
Sungrow	SH6.0RT	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04		Yes	
Sungrow	SH8.0RT	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04		Yes	
Sungrow	SH10RT	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04		Yes	
Sungrow	SC50HV	Battery based inverter grid-tied	TUV SUD	2021/08/09		704092103524-00	D 0733420345 Rev.00		Yes	
Sungrow	SC50HV-20	Battery based inverter grid-tied	TUV SUD	2021/08/09		704092103524-00	D 0733420345 Rev.00		Yes	
Sungrow	SH3.0RS	Hybrid PV inverter grid-tied	TUV Rheinland	2022/03/15		CN22QHUH 001	AK 50536847 0001		Yes	
Sungrow	SH3.6RS	Hybrid PV inverter grid-tied	TUV Rheinland	2022/03/15		CN22QHUH 001	AK 50536847 0001		Yes	
Sungrow	SH4.0RS	Hybrid PV inverter grid-tied	TUV Rheinland	2022/03/15		CN22QHUH 001	AK 50536847 0001		Yes	
Sungrow	SH5.0RS	Hybrid PV inverter grid-tied	TUV Rheinland	2022/03/15		CN22QHUH 001	AK 50536847 0001		Yes	
Sungrow	SH6.0RS	Hybrid PV inverter grid-tied	TUV Rheinland	2022/03/15		CN22QHUH 001	AK 50536847 0001		Yes	
Sungrow	SG75CX-P2	Grid-tied PV inverter	TUV Rheinland	2022/03/16		CN22ATCO 001	AK 50536779 0001		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG110CX-P2	Grid-tied PV inverter	TUV Rheinland	2022/03/16		CN22ATCO 001	AK 50536779 0001		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SG125CX-P2	Grid-tied PV inverter	TUV Rheinland	2022/03/16		CN22ATCO 001	AK 50536779 0001		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunpro	SP3KL1	Hybrid PV inverter grid-tied	TUV SUD	2022/08/16		64.290.22.30154.01	D 107931 0034 Rev.00		Yes	
Sunpro	SP3KL1	Hybrid PV inverter grid-tied	TUV SUD	2022/08/16		64.290.22.30154.01	D 107931 0034 Rev.00		Yes	
Sunpro	SP4KL1	Hybrid PV inverter grid-tied	TUV SUD	2022/08/16		64.290.22.30154.01	D 107931 0034 Rev.00		Yes	
Sunpro	SP4KL1	Hybrid PV inverter grid-tied	TUV SUD	2022/08/16		64.290.22.30154.01	D 107931 0034 Rev.00		Yes	
Sunpro	SP5KL1	Hybrid PV inverter grid-tied	TUV SUD	2022/08/16		64.290.22.30154.01	D 107931 0034 Rev.00		Yes	
Sunpro	SP6KL1	Hybrid PV inverter grid-tied	TUV SUD	2022/08/16		64.290.22.30154.01	D 107931 0034 Rev.00		Yes	
Sunsynk	Sunsynk-8K-SG01LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Sunsynk-7.6K-SG01LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Sunsynk-6K-SG01LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Sunsynk-5K-SG01LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Sunsynk-3.6K-SG01LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Sunsynk-8K-SG02LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-7.6K-SG02LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-6K-SG02LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-5K-SG02LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-3.6K-SG02LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-8K-SG02LP1-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-7.6K-SG02LP1-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-6K-SG02LP1-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-5K-SG02LP1-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-3.6K-SG02LP1-B	Hybrid PV inverter grid-tied	Dongguan Balun	2022/03/30		BL-DG2220307-B01	BL-DG2220307D03		Yes	
Sunsynk	Synk-12K-SG01LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2022/05/31		CN22M2SO 002	AK 50546025 0001		Yes	
Sunsynk	Synk-14K-SG01LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2022/05/31		CN22M2SO 002	AK 50546025 0001		Yes	
Sunsynk	Synk-16K-SG01LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2021/09/01		CN22M2SO 002	AK 50546025 0001		Yes	
Sunsynk	SYNK-6K-SG04LP3	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2021/06/10		BL-DG2160287-B01	BL-DG2160288D01		Yes	
Sunsynk	SYNK-8K-SG04LP3	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2021/06/10		BL-DG2160287-B01	BL-DG2160288D01		Yes	
Sunsynk	SYNK-10K-SG04LP3	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2021/06/10		BL-DG2160287-B01	BL-DG2160288D01		Yes	
Sunsynk	SYNK-12K-SG04LP3	Hybrid PV inverter grid-tied	TUV NORD & Shenzhen Balun	2021/06/10		BL-DG2160287-B01	BL-DG2160288D01		Yes	
Sunsynk	SUNSYNK-29.9K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 004	AK 50594013 0001		Yes	
Sunsynk	SUNSYNK-30K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 004	AK 50594013 0001		Yes	
Sunsynk	SUNSYNK-35K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 004	AK 50594013 0001		Yes	
Sunsynk	SUNSYNK-40K-SG01HP3-EU-BM4	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 004	AK 50594013 0001		Yes	
Sunsynk	SUNSYNK-50K-SG01HP3-EU-BM4	Hybrid PV inverter grid-tied	TUV Rheinland	2023/07/13		CN22G75A 004	AK 50594013 0001		Yes	
Sunsynk	SYNK-3K-SG04LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2023/01/05		CN22MT63 002	AK 50570087 0001		Yes	
Sunsynk	SYNK-3.6K-SG04LP1-24	Hybrid PV inverter grid-tied	TUV Rheinland	2023/01/05		CN22MT63 002	AK 50570087 0001		Yes	
Sunsynk	SYNK-3.6K-SG04LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2023/01/05		CN22MT63 002	AK 50570087 0001		Yes	
Sunsynk	SYNK-5K-SG04LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2023/01/05		CN22MT63 002	AK 50570087 0001		Yes	
Sunsynk	SYNK-6K-SG04LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2023/01/05		CN22MT63 002	AK 50570087 0001		Yes	
Sunsynk	SM2.5kWPL	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	SM2.5kWLS	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	SM2.5kWLL	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	LIFE2.6HYB02	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	SM3.6kWPL	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	SM3.6kWLS	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	



Sunsynk	SM3.6kWLL	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	LIFE3.6HVB02	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/13		BL-DG2351239 201	BL-DG2351239D01		Yes	
Sunsynk	SUNSYNK-6K-SG03LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/19		BL-DG2370523-201	BL-DG2370523D01		Yes	
Sunsynk	SUNSYNK-6K-SG03LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/19		BL-DG2370523-201	BL-DG2370523D01		Yes	
Sunsynk	SUNSYNK-3.6K-SG03LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/19		BL-DG2370523-201	BL-DG2370523D01		Yes	
Sunsynk	SUNSYNK-3K-SG03LP1	Hybrid PV inverter grid-tied	Dongguan Balun	2023/07/19		BL-DG2370523-201	BL-DG2370523D01		Yes	
Sunways	STH-4KTL-HT	Hybrid PV inverter grid-tied	TUV SUD	2021/01/14		704092001222-00	D 104339 0044 Rev. 00		Yes	
Sunways	STH-5KTL-HT	Hybrid PV inverter grid-tied	TUV SUD	2021/01/14		704092001222-00	D 104339 0044 Rev. 00		Yes	
Sunways	STH-6KTL-HT	Hybrid PV inverter grid-tied	TUV SUD	2021/01/14		704092001222-00	D 104339 0044 Rev. 00		Yes	
Sunways	STH-8KTL-HT	Hybrid PV inverter grid-tied	TUV SUD	2021/01/14		704092001222-00	D 104339 0044 Rev. 00		Yes	
Sunways	STH-10KTL-HT	Hybrid PV inverter grid-tied	TUV SUD	2021/01/14		704092001222-00	D 104339 0044 Rev. 00		Yes	
Sunways	STH-12KTL-HT	Hybrid PV inverter grid-tied	TUV SUD	2021/01/14		704092001222-00	D 104339 0044 Rev. 00		Yes	
Sunways	STH-3KTL-HSS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-3KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-3.6KTL-HSS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-3.6KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-4.2KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-4.6KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-5KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-6KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-7KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STH-8KTL-HS	Hybrid PV inverter grid-tied	TUV SUD	2021/12/08		704092101617-00	D 104339 0065 Rev.00		Yes	
Sunways	STT-4KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-5KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-6KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-8KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-10KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-12KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-15KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-17KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-20KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sunways	STT-25KTL-P	Grid-tied PV inverter	TUV SUD	2022/11/09		70.409.22.037.09-00	D 104339 0074 Rev.00		Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Svolt	ME01-PH-SV8KW1	Hybrid PV inverter grid-tied	TUV SUD	2023/08/11		64.290.23.31188.01	D 120520 0002 Rev. 00		Yes	
Svolt	ME01-PH-SV8KW1	Hybrid PV inverter grid-tied	TUV SUD	2023/08/11		64.290.23.31188.01	D 120520 0002 Rev. 00		Yes	
TBB Power	Apollo Matrix 3.0S	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2022/03/03		TRPVP12002/21B/01	COCPVP12002/21B-01		Yes	
TBB Power	Apollo Matrix 3.0M	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2022/03/03		TRPVP12002/21B/01	COCPVP12002/21B-01		Yes	
TBB Power	Apollo Matrix 5.0S	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2022/03/03		TRPVP12002/21B/01	COCPVP12002/21B-01		Yes	
TBB Power	Qoma 33H	Battery based inverter grid-tied	TUV NORD (Hangzhou)	2023/09/18		TRPVP05005/22E/01 R1	COCPVP05005/22E-01 R1		Yes	
TBB Power	Qoma 33H-R	Battery based inverter grid-tied	TUV NORD (Hangzhou)	2023/09/18		TRPVP05005/22E/01 R1	COCPVP05005/22E-01 R1		Yes	
TELE Haase Steuergerate	NA003	Network & system relay	Primara	2018/09/20		14PP035-12	18-315-00		Yes	Network and system grid protection voltage and frequency relay only and may only be used in conjunction with approved NRS 097-2-1 type tested inverters on this list.
Tesla	AC Powerwall 1092170-xx-y	Battery based inverter grid-tied	Intertek	2020/05/20		102591059CRT-051c	102591059CRT-051c		Yes	
Tesla	AC Powerwall 2012170-xx-y	Battery based inverter grid-tied	Intertek	2020/05/20		102591059CRT-051c	102591059CRT-051c		Yes	
Unipassion	UP-1P3K-60	Hybrid PV inverter grid-tied	TUV Rheinland Group	2023/09/15		CN231YHP 001	AK 50602123 0001		Yes	
Unipassion	UP-1P5K-HI	Hybrid PV inverter grid-tied	TUV Rheinland Group	2023/09/15		CN231YHP 001	AK 50602123 0001		Yes	
Unipassion	UP-1P6K-HI	Hybrid PV inverter grid-tied	TUV Rheinland Group	2023/09/15		CN231YHP 001	AK 50602123 0001		Yes	
Unipassion	UP-1P6K-60	Hybrid PV inverter grid-tied	TUV Rheinland Group	2023/09/15		CN231YHP 001	AK 50602123 0001		Yes	
Unipassion	UP-1P8K-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/09/20		64.290.23.31500.01	D 122606 0001 Rev.00		Yes	
Unipassion	UP-1P10K-HI	Hybrid PV inverter grid-tied	TUV SUD	2023/09/20		64.290.23.31500.01	D 122606 0001 Rev.00		Yes	
Victron	MultiGrid 12/3000/120-50	Battery based inverter grid-tied	Primara	2017/11/20		16PP183-06 1	17-303-00		Yes	
Victron	MultiGrid 24/3000/70-50	Battery based inverter grid-tied	Primara	2017/11/20		16PP183-06 1	17-303-00		Yes	
Victron	MultiGrid 48/3000/35-50	Battery based inverter grid-tied	Primara	2017/11/20		16PP183-06 1	17-303-00		Yes	
Victron	MultiGrid - II 48/3000/35-32	Battery based inverter grid-tied	Primara	2018/10/02		17PP264-07 1	18-320-00		Yes	
Victron	MultiPlus - II 48/3000/35-32	Battery based inverter grid-tied	Kiwa Primara	2019/08/22		17PP264-07 3	18-320-01		Yes	
Victron	MultiPlus - II 48/3000/35-32GX	Battery based inverter grid-tied	Kiwa Primara	2019/08/22		17PP264-07 3	18-320-01		Yes	
Victron	MultiPlus - II 48/5000/70-50	Battery based inverter grid-tied	Kiwa Primara	2019/08/22		17PP264-07 3	18-320-01		Yes	
Victron	MultiPlus-II 48/8000/110-100	Battery based inverter grid-tied	SGS	2023/09/29	2028/08/29	2222 / 0478 - G-E1	2622/0478-G-E1-CER		Yes	
Victron	MultiPlus-II 48/10000/140-100	Battery based inverter grid-tied	SGS	2023/09/29	2028/08/29	2222 / 0478 - G-E1	2622/0478-G-E1-CER		Yes	
Victron	MultiPlus-II 48/15000/200-100	Battery based inverter grid-tied	SGS	2023/09/29	2028/08/29	2222 / 0478 - G-E1	2622/0478-G-E1-CER		Yes	
Voltronic	InfiniSolar 10k	Hybrid PV inverter grid-tied	Bureau Veritas	2020/10/30		PVZA180904N057-R1	2088AP0923N001001		Yes	
Watsonic	4.0K-25A-3P	Hybrid PV inverter grid-tied	Lyns-TCl Tech	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	5.0K-25A-3P	Hybrid PV inverter grid-tied	Guangdong	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	6.0K-25A-3P	Hybrid PV inverter grid-tied	Guangdong	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	8.0K-25A-3P	Hybrid PV inverter grid-tied	Guangdong	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	10.0K-25A-3P	Hybrid PV inverter grid-tied	Lyns-TCl Tech	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	12.0K-25A-3P	Hybrid PV inverter grid-tied	Lyns-TCl Tech	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	10.0K-40A-3P	Hybrid PV inverter grid-tied	Guangdong	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	12.0K-40A-3P	Hybrid PV inverter grid-tied	Lyns-TCl Tech	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	15.0K-40A-3P	Hybrid PV inverter grid-tied	Lyns-TCl Tech	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	20.0K-40A-3P	Hybrid PV inverter grid-tied	Guangdong	2023/10/10		HC23072004003-EG-ZA-001	HC23072004003-EG-ZA-V001		Yes	
Watsonic	3.0K-30A-1P	Hybrid PV inverter grid-tied	Guangdong	2023/11/13		HC23072004002-EG-ZA-001	HC23072004002-EG-ZA-V001		Yes	
Watsonic	3.6K-30A-1P	Hybrid PV inverter grid-tied	Guangdong	2023/11/13		HC23072004002-EG-ZA-001	HC23072004002-EG-ZA-V001		Yes	
Watsonic	4.2K-30A-1P	Hybrid PV inverter grid-tied	Guangdong	2023/11/13		HC23072004002-EG-ZA-001	HC23072004002-EG-ZA-V001		Yes	
Watsonic	5.0K-30A-1P	Hybrid PV inverter grid-tied	Guangdong	2023/11/13		HC23072004002-EG-ZA-001	HC23072004002-EG-ZA-V001		Yes	
Watsonic	6.0K-30A-1P	Hybrid PV inverter grid-tied	Guangdong	2023/11/13		HC23072004002-EG-ZA-001	HC23072004002-EG-ZA-V001		Yes	
Watsonic	8.0K-30A-1P	Hybrid PV inverter grid-tied	Guangdong	2023/11/13		HC23072004002-EG-ZA-001	HC23072004002-EG-ZA-V001		Yes	
Ziehl	UFR1001E relay	Network & system relay	Bureau Veritas	2018/06/07		11TH0501-NRS 097-2-1 1	U18-0308		Yes	Network and system grid protection voltage and frequency relay only and may only be used in conjunction with approved NRS 097-2-1 type tested inverters on this list.

RCMU - residual current monitoring unit  
RCD - residual current device  
RCM - residual current monitoring

SPD - surge protection device

Notes:

1. The City shall not incur any liability of any nature whatsoever arising out of the publication by it of this list, or arising out of the selection by the user of a particular device. This includes liability for any losses incurred as a result of safety issues or negligence relating to the design, construction, installation, commissioning, operation and maintenance of any device listed on the list.
2. This list is for City purposes only and the use thereof as a guideline for the selection of a device is at the sole risk of the user.
3. The City does not guarantee the functionality or suitability of any device listed on the list.
4. Type testing certifications for inverters and ancillary equipment that must be added to the City's inverter list, shall be in accordance with latest NRS 097-2-1, currently NRS 097-2-1: 2017 Edition 2.1 (amended [2021-04-30]).
5. All grid-tied hybrid inverters shall be equipped with a separate suitably interlocked change-over switch if interlocked with the grid as specified in the Requirements for small scale embedded generation (SSEG) document.