



**ENERGY AND CLIMATE CHANGE DIRECTORATE**

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

2020 12 15

Make	Model	Inverter / Equipment type	Test House	Certificate date	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 M/MLV 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 M/MLV AC transformer.
ABB	PVS - 50 - TL - S	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		
ABB	PVS - 50 - TL - SX	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		
ABB	PVS - 50 - TL - SX2	Grid-tied PV inverter	TUV Rheinland	2020/01/22		28111830 029	AK 60146346 0001	Yes		
ABB	PVS-100-TL	Grid-tied PV inverter	TUV Rheinland	2019/11/29		28110923 035	AK 60144898 0001	Yes		
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-BATT 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		
ABB	CM-UFD.M31 relay	Network & system relay	TUV SÜD	2014/11/06		F4-44254-48401-01 (Edition 2)	D8 14 10 44254 006	No	No	Network and system grid protection voltage and frequency relay only in accordance with DIN VDE 0126-1-1:2013 and VDE-AR-N 4105:2011. Must be programmed to NRS 097-2-1: 2017.
Atess	HPS 30	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/10/09		BL-DG2080269-B01	BL-DG2080269D01	Yes		
Atess	HPS 50	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/10/09		BL-DG2080269-B01	BL-DG2080269D01	Yes		
Atess	HPS100	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/10/09		BL-DG2080269-B02	BL-DG2080269D02	Yes		
Atess	HPS120	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/10/09		BL-DG2080269-B02	BL-DG2080269D02	Yes		
Atess	HPS150	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/10/09		BL-DG2080269-B02	BL-DG2080269D02	Yes		
Alpha	SMILES-INV	Hybrid PV inverter grid-tied	Bureau Veritas	2019/03/22		ABYD-19JA1440FCSHP	U119-0178	Yes		
Alpha	Storion-SMILE-B3	Battery based inverter grid-tied	Bureau Veritas	2020/08/19		ABYD-ESH-P20071636	U20--0680	Yes		
Canadian Solar	CSI-20, 25 and 30KTL-GI-FL	Grid-tied PV inverter	TUV Rheinland	2018/05/07		50128276 002	AK 50406933 0001	Yes		
Canadian Solar	CSI-40KTL-GI-FL	Grid-tied PV inverter	TUV Rheinland	2018/05/03		50131287 002	AK 50406675 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI-50KTL-GI	Grid-tied PV inverter	TUV Rheinland	2018/05/03		50131287 002	AK 50406675 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI-25K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/04/13		50344275 002	AK 50464349 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI-30K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/04/13		50344275 002	AK 50464349 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI-33K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/04/13		50344275 002	AK 50464349 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI-36K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/04/13		50344275 002	AK 50464349 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI-40K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/04/13		50344275 002	AK 50464349 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI 75 K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/10/21		50376758 002	AK 50483986 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI 80 K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/10/21		50376758 002	AK 50483986 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI 100 K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/10/21		50376758 002	AK 50483986 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Canadian Solar	CSI 110 K-T400GL02-E	Grid-tied PV inverter	TUV Rheinland	2020/10/21		50376758 002	AK 50483986 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Deye	SUN-8K-SG01LP1-EU	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-7.6K-SG01LP1-EU	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-6K-SG01LP1-EU	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-5K-SG01LP1-EU	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-3.6K-SG01LP1-EU	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-8K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-7.6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-5K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	Yes		
Deye	SUN-3.6K-SG01LP1-EU-B	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/03/04		BL-DG19C0016-B01	BL-DG19C0016D02	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		
Fronius	Primo 3.0-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 3.5-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 3.6-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 4.0-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 4.6-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 5.0-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 6.0-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		
Fronius	Primo 8.2-1	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 003	AK 60152048 0001	Yes		

Fronius	Symo 10.0-3-M	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 005	AK 60152049 0001	Yes	
Fronius	Symo 12.5-3-M	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 005	AK 60152049 0001	Yes	
Fronius	Symo 15.0-3-M	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 005	AK 60152049 0001	Yes	
Fronius	Symo 17.5-3-M	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 005	AK 60152049 0001	Yes	
Fronius	Symo 20.0-3-M	Grid-tied PV inverter	TUV Rheinland	2020/09/22		28119635 005	AK 60152049 0001	Yes	
Goodwe	GW3648D-ES	Hybrid PV inverter grid-tied	TUV SUD	2018/11/12		704091815302-00	D 083373 0039 Rev.00	Yes	
Goodwe	GW5048D-ES	Hybrid PV inverter grid-tied	TUV SUD	2018/11/12		704091815302-00	D 083373 0039 Rev.00	Yes	
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-19OC0893FTSHP	U19-0609	Yes	
Goodwe	GW5K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20		ZEM-19OC0893FTSHP	U19-0609	Yes	
Goodwe	GW6K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20		ZEM-19OC0893FTSHP	U19-0609	Yes	
Goodwe	GW8K-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20		ZEM-19OC0893FTSHP	U19-0609	Yes	
Goodwe	GW10KT-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20		ZEM-19OC0893FTSHP	U19-0609	Yes	
Goodwe	GW12KT-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20		ZEM-19OC0893FTSHP	U19-0609	Yes	
Goodwe	GW15KT-DT	Grid-tied PV inverter	Bureau Veritas	2019/11/20		ZEM-19OC0893FTSHP	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	GW8K-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	2019/09/05		PVZA180903N057-R1	1888AP0903N057003	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	2019/09/05		PVZA180903N057-R1	1888AP0903N057003	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	1988AP0627N0290001	Yes	
Goodwe	GW 3600D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19		PVZA190627N029	1988AP0627N0290001	Yes	
Goodwe	GW 4200D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19		PVZA190627N029	1988AP0627N0290001	Yes	
Goodwe	GW 5000D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19		PVZA190627N029	1988AP0627N0290001	Yes	
Goodwe	GW 6000D-NS	Grid-tied PV inverter	Bureau Veritas	2020/01/19		PVZA190627N029	1988AP0627N0290001	Yes	
Goodwe	GW 20KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17		ASBJ-19OC2322FTSHS	U20-O270	Yes	
Goodwe	GW 17KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17		ASBJ-19OC2322FTSHS	U20-O270	Yes	
Goodwe	GW 15KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17		ASBJ-19OC2322FTSHS	U20-O270	Yes	
Goodwe	GW 12KN-DT	Grid-tied PV inverter	Bureau Veritas	2020/04/17		ASBJ-19OC2322FTSHS	U20-O270	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	
Growatt	MAX 80KTL3 LV	Grid-tied PV inverter	SGS	2020/06/04	2023/06/04	2220 - 0165 - A / E1	2620/0165-A-CER	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Growatt	MAX 70KTL3 LV	Grid-tied PV inverter	SGS	2020/06/04	2023/06/04	2220 - 0165 - A / E1	2620/0165-A-CER	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Growatt	MAX 60KTL3 LV	Grid-tied PV inverter	SGS	2020/06/04	2023/06/04	2220 - 0165 - A / E1	2620/0165-A-CER	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Growatt	MAX 50KTL3 LV	Grid-tied PV inverter	SGS	2020/06/04	2023/06/04	2220 - 0165 - A / E1	2620/0165-A-CER	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Hoymiles	MI-500	Grid-tied PV inverter	Bureau Veritas	2018/07/10		BMH-18JA0680FCSP-R1	U18-0374	Yes	Hoymiles MI-500, 600 and 700 micro inverters are not equipped with an internal disconnection device and an external City listed network and system grid protection voltage and frequency relay must be provided in the photovoltaic system with appropriately sized two in series contactors according to NRS 097-2-1 requirements and default settings.
Hoymiles	MI-600	Grid-tied PV inverter	Bureau Veritas	2018/07/10		BMH-18JA0680FCSP-R1	U18-0374	Yes	
Hoymiles	MI-700	Grid-tied PV inverter	Bureau Veritas	2018/07/10		BMH-18JA0680FCSP-R1	U18-0374	Yes	
Hoymiles	MI-1000	Grid-tied PV inverter	Bureau Veritas	2018/07/27		ZEM-18AP0889FCSPH	U18-0435	Yes	
Hoymiles	MI-1000T	Grid-tied PV inverter	Bureau Veritas	2018/07/27		ZEM-18AP0889FCSPH	U18-0435	Yes	
Hoymiles	MI-1200	Grid-tied PV inverter	Bureau Veritas	2018/07/27		ZEM-18AP0889FCSPH	U18-0435	Yes	
Hoymiles	MI-1200T	Grid-tied PV inverter	Bureau Veritas	2018/07/27		ZEM-18AP0889FCSPH	U18-0435	Yes	
Huawei	SUN 2000-50KTL-MO	Grid-tied PV inverter	TUV SUD	2018/09/21		70 409 18 051 24-01	D 041829 3318	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Huawei	SUN 2000-60KTL-MO	Grid-tied PV inverter	TUV SUD	2018/09/21		70 409 18 051 24-01	D 041829 3318	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Huawei	SUN 2000-36KTL	Grid-tied PV inverter	Bureau Veritas	2020/04/24		PVZA180718N004	1888AP0718N004001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Huawei	SUN 2000-100KTL-M1	Grid-tied PV inverter	Bureau Veritas	2020/05/29		PVZA200521N034	2088AP0521N034001	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Ingeteam	Ingecon SUN 3 PLAY 20TL M	Grid-tied PV inverter	SGS	2019/02/07	2022/02/07	2219/0002-B/E1	2619/0002/B-CER	Yes	
Ingeteam	Ingecon SUN 3 PLAY 28TL M	Grid-tied PV inverter	SGS	2019/02/07	2022/02/07	2219/0002-B/E1	2619/0002/B-CER	Yes	
Ingeteam	Ingecon SUN 3 PLAY 33TL M	Grid-tied PV inverter	SGS	2019/02/07	2022/02/07	2219/0002-B/E1	2619/0002/B-CER	Yes	
Ingeteam	Ingecon SUN 3 PLAY 20TL	Grid-tied PV inverter	SGS	2019/02/07	2022/02/07	2219/0002-B/E1	2619/0002/B-CER	Yes	
Ingeteam	Ingecon SUN 3 PLAY 33TL	Grid-tied PV inverter	SGS	2019/02/07	2022/02/07	2219/0002-B/E1	2619/0002/B-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 2.5TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 2.7TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 3TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 3.3TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 3.65TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 4.6TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 5TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 5.5TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 1 PLAY 6TL M	Grid-tied PV inverter	SGS	2018/12/21	2021/12/21	2218/1010-2/E1	2618/1010/2-CER	Yes	
Ingeteam	Ingecon SUN 100 TL	Grid-tied PV inverter	Cere	2019/03/01	2021/12/05	11505-24-3-TR-E1	11505-24-3-CER-E1	Yes	The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Kodak	Kodak I3.0	Grid-tied PV inverter	Dekra	2019/12/10		6065813.50	6065813.01AOC	Yes	Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and for grid connection with an external customer MVL/VAC transformer.
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		
Livoltek	Hyper-2000	Hybrid PV inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Hyper-3000	Hybrid PV inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Hyper-3680	Hybrid PV inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Hyper-4600	Hybrid PV inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Hyper-5000	Hybrid PV inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Retro-2000	Battery based inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Retro-3000	Battery based inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Retro-3680	Battery based inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Retro-4600	Battery based inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Livoltek	Retro-5000	Battery based inverter grid-tied	Dekra	2019/07/05	6055811 . 50	6055811.01AOC	Yes		
Lovato	PMVF 80	Network & system relay	TÜV SÜD	2020/10/28	TR-486879-82695-04 (Ed 01)	D 084111 Rev. 00	No	No	Network and system grid protection voltage and frequency relay only in accordance with DIN VDE 0124-100 and VDE-AR-N 4105:2018-11. Must be programmed its NRS 097-2-1: 2017.
Lux Power	LXP 3K Hybrid	Hybrid PV inverter grid-tied	Intertek	2019/08/29	190624070GZU-001	CN-PV-190006	Yes		
Lux Power	LXP 4K Hybrid	Hybrid PV inverter grid-tied	Intertek	2019/08/29	190624070GZU-001	CN-PV-190006	Yes		
Lux Power	LXP 5K Hybrid	Hybrid PV inverter grid-tied	Intertek	2019/08/29	190624070GZU-001	CN-PV-190006	Yes		
Mecer	Mecer Sol-HS-10M	Hybrid PV inverter grid-tied	Bureau Veritas	2020/10/30	PVZA180904N057-R1	2088AP0923N001002	Yes		
Ohm	OHM-8K-W	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26	BL-SZ1910095-802	BL-SZ1910095-D02	Yes		
Ohm	OHM-7.6K-W	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26	BL-SZ1910095-802	BL-SZ1910095-D02	Yes		
Ohm	OHM-6K-W	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26	BL-SZ1910095-802	BL-SZ1910095-D02	Yes		
Ohm	OHM-5K-W	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26	BL-SZ1910095-802	BL-SZ1910095-D02	Yes		
Ohm	OHM-3.6K-W	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26	BL-SZ1910095-802	BL-SZ1910095-D02	Yes		
Schneider	Conext CL-60E	Grid-tied PV inverter	TUV SÜD	2018/02/09	701261703501-01	D 18 01 98208 006	Yes		
Schneider	XW+8548E	Battery based inverter grid-tied	TUV Rheinland	2020/08/11	50326684 002	AK 50477341 0001	Yes		
Sermatec	SMT-5K-TL-LV	Hybrid PV inverter grid-tied	TUV SÜD	2019/06/25	64.290.19.01426.01	D 102650 0007	Yes		
Sermatec	SMT-10K-TL-TH	Hybrid PV inverter grid-tied	TUV SÜD	2019/07/25	64.290.18.04743.01	D 102650 0009	Yes		
SMA	STP50-40	Grid-tied PV inverter	Bureau Veritas	2018/06/29	17TH0199-NRS 097-2-1 2	U18-0334	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV 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 MVLV 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 MVLV AC transformer.
SMA	STPS 60-10	Battery based 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 MVLV AC transformer.
SMA	SB3 0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2020/07/24	16TH0348-NRS 097-2-1 0	U20-0605	Yes	Yes	The unit must be provided with an external RCMU type B.
SMA	SB3 6-1AV-41	Grid-tied PV inverter	Bureau Veritas	2020/07/24	16TH0348-NRS 097-2-1 0	U20-0605	Yes	Yes	The unit must be provided with an external RCMU type B.
SMA	SB4 0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2020/07/24	16TH0348-NRS 097-2-1 0	U20-0605	Yes	Yes	The unit must be provided with an external RCMU type B.
SMA	SB5 0-1AV-41	Grid-tied PV inverter	Bureau Veritas	2020/07/24	16TH0348-NRS 097-2-1 0	U20-0605	Yes	Yes	The unit must be provided with an external RCMU type B.
SMA	STP 15000TL-30	Grid-tied PV inverter	Bureau Veritas	2020/08/13	14TH0304-NRS 097-2-1-2017 0	U20-0641	Yes	Yes	
SMA	STP 20000TL-30	Grid-tied PV inverter	Bureau Veritas	2020/08/13	14TH0304-NRS 097-2-1-2017 0	U20-0641	Yes	Yes	
SMA	STP 25000TL-30	Grid-tied PV inverter	Bureau Veritas	2020/08/13	14TH0304-NRS 097-2-1-2017 0	U20-0641	Yes	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 5KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/07/10	BL-DG2060517-B01	BL-DG2060517D01	Yes		
Sofar Solar	HYD 6KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/07/10	BL-DG2060517-B01	BL-DG2060517D01	Yes		
Sofar Solar	HYD 8KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/07/10	BL-DG2060517-B01	BL-DG2060517D01	Yes		
Sofar Solar	HYD 10KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/07/10	BL-DG2060517-B01	BL-DG2060517D01	Yes		
Sofar Solar	HYD 15KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/07/10	BL-DG2060517-B01	BL-DG2060517D01	Yes		
Sofar Solar	HYD 20KTL-3PH	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/07/10	BL-DG2060517-B01	BL-DG2060517D01	Yes		
SolarEdge	SE25K	Grid-tied PV inverter	Bureau Veritas	2020/08/10	19TH0534-NRS 097-2-1 0	U20-0649	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE27.6K	Grid-tied PV inverter	Bureau Veritas	2020/08/10	19TH0534-NRS 097-2-1 0	U20-0649	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE30K	Grid-tied PV inverter	Bureau Veritas	2020/08/10	19TH0534-NRS 097-2-1 0	U20-0649	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE33.3K	Grid-tied PV inverter	Bureau Veritas	2020/08/10	19TH0534-NRS 097-2-1 0	U20-0649	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE40K	Grid-tied PV inverter	Bureau Veritas	2020/08/10	19TH0534-NRS 097-2-1 0	U20-0649	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE50K	Grid-tied PV inverter	Bureau Veritas	2020/06/30	17TH0209-NRS 097-2-1 1	U20-0524	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE55K	Grid-tied PV inverter	Bureau Veritas	2020/06/30	17TH0209-NRS 097-2-1 1	U20-0524	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.
SolarEdge	SE66K	Grid-tied PV inverter	Bureau Veritas	2020/06/30	17TH0209-NRS 097-2-1 1	U20-0524	Yes		Inverter may only be used in plants according to Category A3: 100 kVA - 1MVA and connection to the grid via an external customer MVLV AC transformer.



Solis	Solis-40K	Grid-tied PV inverter	TÜV SÜD	2018/03/22		50131287 001	AK 50403257 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-50K	Grid-tied PV inverter	TÜV SÜD	2018/03/22		50131287 001	AK 50403257 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-3P5K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P6K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P8K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P9K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P10K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P12K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P15K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P17K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-3P20K-4G	Grid-tied PV inverter	TUV Rheinland	2018/08/24		50173799 001	AK 50416579 0001	Yes		
Solis	Solis-RHI-3K-48ES	Hybrid PV inverter grid-tied	TUV Rheinland	2018/09/12		50173405 001	AK 50418189 0001	Yes		
Solis	Solis-RHI-3.6K-48ES	Hybrid PV inverter grid-tied	TUV Rheinland	2018/09/12		50173405 001	AK 50418189 0001	Yes		
Solis	Solis-RHI-4.6K-48ES	Hybrid PV inverter grid-tied	TUV Rheinland	2018/09/12		50173405 001	AK 50418189 0001	Yes		
Solis	Solis-40K-FB	Grid-tied PV inverter	TUV Rheinland	2019/05/08		50249422 001	AK 50436157 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-50K-FB	Grid-tied PV inverter	TUV Rheinland	2019/05/08		50249422 001	AK 50436157 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-60K-4G-FB	Grid-tied PV inverter	TUV Rheinland	2019/05/08		50249422 001	AK 50436157 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-25K-5G	Grid-tied PV inverter	TUV Rheinland	2020/03/11		50344275 001	AK 50459291 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-30K-5G	Grid-tied PV inverter	TUV Rheinland	2020/03/11		50344275 001	AK 50459291 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-33K-5G	Grid-tied PV inverter	TUV Rheinland	2020/03/11		50344275 001	AK 50459291 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-36K-5G	Grid-tied PV inverter	TUV Rheinland	2020/03/11		50344275 001	AK 50459291 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-40K-5G	Grid-tied PV inverter	TUV Rheinland	2020/03/11		50344275 001	AK 50459291 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-75K-5G	Grid-tied PV inverter	TUV Rheinland	2020/06/29		50376758 001	AK 50471730 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-80K-5G	Grid-tied PV inverter	TUV Rheinland	2020/06/29		50376758 001	AK 50471730 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-90K-5G	Grid-tied PV inverter	TUV Rheinland	2020/06/29		50376758 001	AK 50471730 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-100K-5G	Grid-tied PV inverter	TUV Rheinland	2020/06/29		50376758 001	AK 50471730 0001	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Solis	Solis-110K-5G	Grid-tied PV inverter	TUV Rheinland	2020/06/29		50376758 001	AK 50471730 0001	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 SÜD	2019/07/26		6429018047301A	D 104877 0003	Yes		The maximum DC voltage is depended on PV array and may not exceed 1000V when this inverter is used.
Sungrow	SH5K-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 SÜD	2018/03/26		704091708604-01	D180373342197	Yes		
Sungrow	SG60KTL	Grid-tied PV inverter	TUV SÜD	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	TÜV NORD & Shenzhen Balun Technology	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	TÜV NORD & Shenzhen Balun Technology	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	TÜV NORD & Shenzhen Balun Technology	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	TÜV NORD & Shenzhen Balun Technology	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	TÜV NORD & Shenzhen Balun Technology	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04	Yes		
Sungrow	SH6.0RT	Hybrid PV inverter grid-tied	TÜV NORD & Shenzhen Balun Technology	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04	Yes		
Sungrow	SH8.0RT	Hybrid PV inverter grid-tied	TÜV NORD & Shenzhen Balun Technology	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04	Yes		
Sungrow	SH10RT	Hybrid PV inverter grid-tied	TÜV NORD & Shenzhen Balun Technology	2020/07/24		TRSHV11090/19/03	COCSHV11090/19-04	Yes		
Sunsynk	Synsynk-8K-SG01LP1	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26		BL-SZ1910095-B01	BL-SZ1910095-D01	Yes		
Sunsynk	Synsynk-7.6K-SG01LP1	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26		BL-SZ1910095-B01	BL-SZ1910095-D01	Yes		
Sunsynk	Synsynk-6K-SG01LP1	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26		BL-SZ1910095-B01	BL-SZ1910095-D01	Yes		
Sunsynk	Synsynk-5K-SG01LP1	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26		BL-SZ1910095-B01	BL-SZ1910095-D01	Yes		
Sunsynk	Synsynk-3.6K-SG01LP1	Hybrid PV inverter grid-tied	Shenzhen Balun Technology	2020/02/26		BL-SZ1910095-B01	BL-SZ1910095-D01	Yes		
TELE Haase Steuergeräte	NA003	Network & system relay	Primara	2018/09/20		14PP035-12	18-315-00	Yes		Network and system grid protection voltage and frequency relay only.
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		
Victron	MultiGrid 12/3000/120-50	Battery based PV inverter grid-tied	Primara	2017/11/20		16PP183-06 1	17-303-00	Yes		
Victron	MultiGrid 24/3000/70-50	Battery based PV inverter grid-tied	Primara	2017/11/20		16PP183-06 1	17-303-00	Yes		
Victron	MultiGrid 48/3000/35-50	Battery based PV inverter grid-tied	Primara	2017/11/20		16PP183-06 1	17-303-00	Yes		
Victron	MultiGrid - II 48/3000/35-32	Battery based PV inverter grid-tied	Primara	2018/10/02		17PP264-07 1	18-320-00	Yes		
Victron	MultiPlus - II 48/3000/35-32	Battery based PV inverter grid-tied	Kiwa Primara	2019/08/22		17PP264-07 3	18-320-01	Yes		
Victron	MultiPlus - II 48/3000/35-32GX	Battery based PV inverter grid-tied	Kiwa Primara	2019/08/22		17PP264-07 3	18-320-01	Yes		
Victron	MultiPlus - II 48/5000/70-50	Battery based PV inverter grid-tied	Kiwa Primara	2019/08/22		17PP264-07 3	18-320-01	Yes		

Voltronic	InfiniSolar 10k	Hybrid PV inverter grid-tied	Bureau Veritas	2020/10/30		PVZA180904N057-R1	2088AP0923N001001	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.

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 (published 2020-07-20).
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.

<http://teamsites.capetown.gov.za/sites/esprotelmeas/SitePages/Home/.aspx/reference/PT Documents/vorms/Approved inverter and equipment ito NRS 097-2-1>

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