





















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	2022/12/05		CN22G75A 002	AK 50567025 0001	Yes	
Sunsynk	SUNSYNK-30K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/05		CN22G75A 002	AK 50567025 0001	Yes	
Sunsynk	SUNSYNK-35K-SG01HP3-EU-BM3	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/05		CN22G75A 002	AK 50567025 0001	Yes	
Sunsynk	SUNSYNK-40K-SG01HP3-EU-BM4	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/05		CN22G75A 002	AK 50567025 0001	Yes	
Sunsynk	SUNSYNK-50K-SG01HP3-EU-BM4	Hybrid PV inverter grid-tied	TUV Rheinland	2022/12/05		CN22G75A 002	AK 50567025 0001	Yes	
Sunsynk	SYNK-3K-SG04LP1	Hybrid PV inverter grid-tied	TUV Rheinland	2023/01/05		CN22MT63 002	AK 50570087 0001	Yes	
Sunsynk	SYNK-3K-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	
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	
TBB Power	Apollo Matrix 3.0S	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2022/03/03		TRPVP1200221B/01	COCPPV1200221B-01	Yes	
TBB Power	Apollo Matrix 3.0M	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2022/03/03		TRPVP1200221B/01	COCPPV1200221B-01	Yes	
TBB Power	Apollo Matrix 5.0S	Hybrid PV inverter grid-tied	TUV NORD (Hangzhou)	2022/03/03		TRPVP1200221B/01	COCPPV1200221B-01	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	
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	
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 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:**

- 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.
- 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.
- The City does not guarantee the functionality or suitability of any device listed on the list.
- 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).
- 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/vrms/Approved inverter and equipment lto NRS 097-2-1 2023-03-14>