

XG30-40kW

Three Phase On-Grid Solar Inverter



Efficient Higher Revenue

- 3-4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency of 98.6%. Wide MPPT voltage range: 200V-1000V
- Compatible with high power modules



Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones



Reliable Worry Free

- IP66 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SKU:9483

| XG30KTR | |
|-------------------------------------|--|
| Input (DC) | |
| Max. Input Power | 48 kW |
| Max. Input Voltage | 1100 V |
| Start Voltage | 250 V |
| Rated Input Voltage | 600 V |
| Full-load MPP Voltage Range | 500 V ~ 800 V |
| MPPT Voltage Range | 200 V ~ 1000 V |
| Number of MPP Trackers | 3 |
| String per MPPT | 2 |
| Max. Current per MPPT | 26 A |
| Max. Short Circuit Current per MPPT | 32 A |
| Output (AC) | |
| Max. Output Current | 48.3 A |
| Rated Output Power | 30 kW |
| Max. Output Power | 33.3 kVA |
| Rated Grid Frequency | 50 Hz / 60 Hz |
| Rated Grid Voltage | 230Vac / 400Vac, 3L / N / PE |
| Power Factor | >0.99 (0.8 leading~0.8 lagging) |
| THDi | <3% (Rated Power) |
| Efficiency | |
| Max. Efficiency | 98.60% |
| European Efficiency | 98.50% |
| MPPT Efficiency | 99.90% |
| Protection | |
| DC reverse polarity protection | Yes |
| Anti-islanding protection | Yes |
| AC short circuit protection | Yes |
| Residual current monitoring unit | Yes |
| Insulation resistance monitoring | Yes |
| Ground fault monitoring | Yes |
| Grid monitoring | Yes |
| PV string monitoring | Yes |
| Surge protection | Type II |
| AFCI protection | Optional |
| Communication | |
| Display | LED / LCD / WiFi+App |
| Communication | Standard: RS485 Optional: WiFi / GPRS / Ethernet |
| Standard Compliance | |
| Grid Connection Standards | IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2020, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99 |
| Safety / EMC | IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011 |
| General Data | |
| Dimensions (W x H x D) | 600 x 430 x 230 mm |
| Weight | 30 kg |
| Operating Temperature Range | -30° C ~ +60° C |
| Cooling Method | Smart Cooling |
| Protection Degree | IP66 |
| Max. Operating Altitude | 4000 m |
| Relative Humidity | 0 ~ 100% |
| Topology | Transformerless |
| Night Power Consumption | < 1 W |