V-TAC®
Meaningful Innovation.

Three Phase On-Grid Solar Inverter

# Three Phase On-Grid Solar Inverter

30kw

VT-6630305
SKU :11507


**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/USB (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

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| | | |
|---|---|---|
| **Input (PV)** | Max. Input Power | 48kW |
| | Max. Input Voltage | 1100V |
| | Start Voltage | 250V |
| | Rated Input Voltage | 600V |
| | Full-load MPP Voltage Range | 500V ~ 800V |
| | MPPT Voltage Range | 200V ~ 1000V |
| | Number of MPP Trackers | 3 |
| | String per MPPT | 2 |
| | Max. Current per MPPT | 26A |
| | Max. Short Circuit Current per MPPT | 32A |
| **Output (AC)** | Max. Output Current | 48.3A |
| | Rated Output Power | 30kW |
| | Max. Output Power | 33.3kVA |
| | Rated Grid Frequency | 50Hz / 60Hz |
| | Rated Grid Voltage | 230Vac / 400Vac, 3L / N / PE |
| | Power Factor | >0.99 (0.8 leading-0.8 lagging) |
| | THDi | <3% (Rated Power) |
| **Efficiency** | Max. DC 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/ USB - 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 | 32kg |
| | Operating Temperature Range | -30° C ~ +60° C |
| | Cooling Method | Smart Cooling |
| | Protection Degree | IP66 |
| | Max. Operating Altitude | 4000m |
| | Relative Humidity | 0 ~ 100% |
| | Topology | Transformerless |
| | Night Power Consumption | <1W |