

THREE PHASE - ON GRID GRID SOLAR INVERTER

50KW

VT-6607100

SKU: 11521

10 **YEAR**
WARRANTY



Efficient
Higher revenue

- 4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 160% DC Input Oversizing
- 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

Input (DC)

Max. Input Power	80kW			
Max. Input Voltage	1100V			
Start Voltage	250V			
Rated Input Voltage	600V			
Full-load MPP Voltage Range	520V ~ 850V			
MPPT Voltage Range	200V ~ 1000V			
Number of MPP Trackers	4			
Number of string per MPPT	3 / 2 / 3 / 2			
Max. Current per MPPT	39A / 26A / 39A / 26A			
Max. Short Circuit Current per MPPT	48A / 32A / 48A / 32A			

Output (AC)

Max. Output Current	79.7A			
Rated Output Power	50kW			
Max. Output Power	55kVA			
Rated Grid Frequency	50Hz / 60Hz			
Rated Grid Voltage	230Vac / 400Vac			
Power Factor	>0.99 (0.8 leading~0.8 lagging)			
THDi	<3% (Rated Power)			

Efficiency

Max. Efficiency	98.70%		
European Efficiency	98.40%		
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)	650 x 450 x 260 mm
Weight	50kg
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