

PV-5000W-V

SINGLE PHASE PV INVERTER

PrimeVOLT
Your PV Inverter Professional



MEA
CERTIFICATION & REGULATION

PrimeVOLT

Single and three phase string inverters are designed for residential and commercial application. By using the advanced digital control algorithm, the efficiency of MPPT is >99.9%. The high speed MPPT tracker could detect the configuration of the panel strings automatically (Strings in parallel or independent) and using the proper control method to gain the Maximum harvest of the solar power).

Die-casting

Enclosure not only provides the reliable Ingress Protection (IP65) but also excellent cooling system for the thermal.

Transformerless (TL)

With **Three-Level Technology design** provides the highest conversion efficiency. Elegant and tidy design provides the smallest size with lightest weight which is friendly for installation and maintenance.

Various communication interface options

Including RS-485, Ethernet and Wi-Fi could fulfill different needs to connect with cloud system as perfect total solution of monitoring.

Highlights

- MEA Certificate
- VDE-AR-N 4105 & VDE 0126-1-1/A1
- 97.2% Max. Conversion Efficiency
- Integrated DC Switch, Data Logger, Web Server
- RCR (Ripple Control Receiver, German model)
- Ethernet and Optional Wi-Fi
- Die-cast Enclosure
- Cloud Web Portal
- Graphic Icon Display
- Optimized for 6 Inch Solar Cell Module
- Made In TAIWAN

SINGLE PHASE SOLAR INVERTERS

PV-5000W-V



SPECIFICATIONS	PV-5000W-V
INPUT (DC)	
MPPT Working Range	100-580 V
MPPT Range (Full Load)	290-500 V
Start-Up Voltage	150 V
Max. Voltage	580 V
Max. Current	9 A x 2
Max. Short Circuit Current (Isc)	15 A x 2
MPP Tracker No.	2
OUTPUT (AC)	
Nominal Power	5000 W
Nominal Voltage / Frequency	220/230/240V ; 50/60 Hz
Max. Current	23.8 A
EFFICIENCY	
Max. Efficiency	97.2 %
Euro-Eta	96.1 %
GENERAL	
Temperature Range	-20 to 55 °C
Topology	Transformerless
Protection	IP65
Humidity	0 to 100%
Cooling	Convection
FEATURES	
Display	Icon Graphic Display
RS-485	Standard , Half-duplex
Wi-Fi	Optional by USB dongle
Data Logging	Yes
MECHANICAL DATA	
Dimension (W x H x D)	418 x 485 x 190 mm
Weight	22 Kg
Input Pairs	2
DC Switch	Buit-in
CERTIFICATION & REGULATION	
Grid Monitoring	VDE 0126-1-1/A1 , VDE-AR-N 4105 , G59/3 , MEA
Safety	IEC 62109-1 , IEC 62109-2
EMC Emission	EN 61000-6-3 , EN 61000-3-11 , EN 61000-3-12 , AS/NZS 61000.6.3
EMC Immunity	EN 61000-6-2

