

MARVEL

SERIES

10000W
BUILT-IN DUAL MPPT

8.5 KW

5G EUROPEAN - PV 10000
ON GRID WITH ENERGY STORAGE HYBRID



KEY SALIENT FEATURES

- ✓ Introducing 1st time in Pakistan, single phase Inverters support three phase when installed in parallel
- ✓ 100% Pure Sine wave Inverter
- ✓ Battery Equalization/Compatible with Li-ion, LifePo4 and etc)
- ✓ Conformal Coating to Prevent from Dust and Humidity
- ✓ Built-in two 10000W MPPTs, with wide input range: 120-450VDC
- ✓ Reserved communication parts (RS232 RS485,CAN)
- ✓ Energy generated record, load record history information and fault record
- ✓ Upgraded 5th generation smart and intelligent solar inverter
- ✓ Touch screen control module with various communications
- ✓ PV and utility power the load at the same time can be set
- ✓ Efficiently Work with & with out battery
- ✓ Optional Wi-Fi interface with Android & IOS
- ✓ Overload and Short Circuit Protection
- ✓ Output power factor PF-1.0
- ✓ Easy Replacement of fans
- ✓ Support Peak-Valley Charge
- ✓ Parallel operation up to 9 units
- ✓ Zero transfer time
- ✓ Built in zero export,
- ✓ 100% reverse grid feeding
- ✓ European Design and Engineered in Taiwan



BATTERY
OPTIONAL



ON-OFF
GRID



POWER
FACTOR 1.0



WI-FI
FUCTION



TOUCH
SCREEN



PARALLE UP
TO 9 UNITS

1ST SOLAR INVERTER IN PAKISTAN WITH PURE TOUCH SCREEN DISPLAY

MODEL

MARVEL 5G EUROPEAN PV 10000

Basical Information	
Max. PV Input Power	10000W
Rated AC Output Power	8500W
Grid Tie Operation	
PV Input (DC)	
Nominal DC Volt/Max DC Voltage	360VDC/450VDC
Start-up Voltage/initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
Np. of MPPT Tracker/Max Input Current	2/18A (5000W * 2)
Grid Output (AC)	
Nominal Outout Volt	220 Vac/230Vac/240Vac, Single Phase
Output Voltage Range	184V-256Vac or 195-253V (Selectable)
Nominal Output Current	34.8A
Power Factor	>0.9
Efficiency	
Max. Conversion Efficiency (DC/AC)	98%
Off-Grid Operation	
AC Input (AC)	
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	63A
PV Input (DC)	
Max. DC Voltage	450VADC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	2/18A (5000W = 2)
Grid Tie Mode	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Feed-in Voltage Range	184V-256Vac
Max Efficiency DC/AC	>95%
Battery Mode Output (AC)	
Nominal Output Volt	220Vac/230Vac/240Vac
Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
Hybrid Operation	
PV Input (DC)	
Nominal DC Volt/Mox DC Voltage	360VDC/450VDC
Start-up Voltage Initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	2/18A (5000W = 2)
Grid Output (AC)	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Output Voltage Range	184V-265Vac cr195-253V (Selectable)
Nominal Output Current	38.6A
AC Input (AC)	
AC Start-up Volateg/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	63A
Battery Mode Output (AC)	
Nominal Output Volt	220Vac/230Vac/240Vac
Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
Battery & Charger	
Battery Type Supported	
Nominal Battery Voltage	48VDC
Max Solar Charge Current	120A
Max AC Charge Current	120A
Max Total Charge Current	120A
General	
Physical	
Product Dimension DX W X H (mm)	530x415x149
Product Net Weight (kgs)	19.4
Product Gross Weight (kgs)	21.6
Packing Dimension D x W x H (mm)	690 x 550 x 242mm. 1PC/CTN
Parallel Function Optional	Yes Optional, Max 9Pcs
Communication Interface	RS232, USB, Wi-Fi, Touch LCD
Environment	
Humidity	5
Operation Temperaturea	% to 95% Relative Humidity (Non-Condensing)

Note: Product specifications are subject to change without further notice