

# MARVEL

S E R I E S

15000W  
BUILT-IN DUAL MPPT

## 12 KW

5G EUROPEAN - PV 15000  
SOLAR HYBRID INVERTER



## KEY SALIENT FEATURES

- ✓ Introducing 1st time in Pakistan, single phase Inverters support three phase when installed in parallel
- ✓ 100% Pure Sine wave Inverter
- ✓ Touch screen control module with various communications
- ✓ PV and utility power the load at the same time can be set
- ✓ Energy generated record, load record history information and fault record
- ✓ Parallel operation up to 6 units
- ✓ Built-in two 15000W MPPTS, with wide input range: 90-450VDC
- ✓ Reserved communication port for BMS (RS485, CAN-BUS or RS323)
- ✓ Upgraded 5th generation smart and intelligent solar inverter
- ✓ Zero transfer time
- ✓ Battery Equalization/Compatible with Li-ion, LifePo4 and etc)
- ✓ Conformal Coating to Prevent from Dust and Humidity
- ✓ Output power factor PF-1.0
- ✓ Dual outputs, for smart load management
- ✓ PV input current increase to 27\*2A
- ✓ Compatible to utility main or generator units
- ✓ Replaceable fan design for ease of maintenance
- ✓ Support Peak-Valley Charge
- ✓ Efficiently Work with & with out battery
- ✓ Optional Wi-Fi interface with Android & IOS
- ✓ Supports USB On-the-Go Function
- ✓ Battery independent design
- ✓ Selectable high power charging current
- ✓ Overload and Short Circuit Protection
- ✓ Status indication with RGB lights
- ✓ European Design and Engineered in Taiwan



Wi-Fi Device  
Optional



## 1<sup>ST</sup> SOLAR INVERTER IN PAKISTAN SINGLE PHASE WITH DUAL PV INPUT 27x2A

MODEL	MARVEL 5G EUROPEAN PV 15000
<b>BASIC INFORMATION</b>	
Max. PV Input Power	15000W
Rated AC Output Power	12000W
<b>Grid Tie Operation</b>	
<b>INPUT</b>	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (For Personal Computers) 90-280VAC (For Home Appliances)
Frequency Range	50Hz/60Hz (Auto Sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Battery Mode)	230VAC+5%
Surge Power	22000 VA
Efficiency (Peak)	93%
Transfer Time	10ms (For personal Computers), 20ms (For Home Appliances)
Waveform	Pure Sine Wave
DC Voltage	N/A
<b>BATTERY</b>	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charge lype	MPPT
Max PV Array Power	15000W (7500Wx 2)
MP Range @operating Voltage	90 ~ 450VDC
Max PV Arrange Open Circuit Voltage	500VDC
Maximum PV Input Current	27Ax 2 (Max 40A)
Max Solar Charge Current	150A
Mox AC Charge Current	150A
Max Charge Current	150A
<b>PHYSICAL</b>	
Dimension D x W x H (mm)	147.4x 432.5x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB / RS232 / RS485 / Wi-Fi / Dry-Contact
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-Condensing)
Operating Temperature	-10 to 50 Degree Centigrade
Storage Temperature	-15 to 60 Degree Centigrade
<b>STANDARD</b>	
Compliance Safety	CE

Note: Product specifications are subject to change without further notice



SMART LOAD  
MANAGEMENT



Multiple  
RGB Lights  
STATUS  
INDICATION



DUAL PV  
INPUT CURRENT



POWER  
FACTOR 1.0



BUILT-IN  
MPPT



WI-FI  
FUNCTION



BATTERY  
OPTIONAL



TOUCH BUTTON  
SCREEN



PARALLEL UP  
TO 6 UNITS