

1st Inverter With EUROPEAN BASED SOLAR HYBRID INVERTER

160A
DUAL MPPT
(Parallel Based)

7.0 KVA

MARVEL 5G EUROPEAN - PV 8500

ON GRID WITH ENERGY STORAGE SOLAR HYBRID INVERTER

Multiple
RGB Lights



KEY SALIENT FEATURES

- Introducing 1st Time In Pakistan Real 5th Gen European Inverter.
- Single Phase Inverter, Supports three phase when installed in Parallel
- 100% Pure Sine Wave Solar Inverter
- Monitor & control with built-in Wi-Fi (10 meter range) & available for Android devices
- Inverter running with battery or without battery
- Energy generated record, load record, history information & fault record
- Built-in Battery equalizations / BMS (Battery Management System)
- Adaptable to main Voltage / generator power
- Conformal coating to prevent from dust and humidity
- New Smart Color Screen LCD with touch buttons
- Built-in anti dust for harsh environment
- Compatible with all kinds of Lithium Batteries (Multiple Parameters)
- Smart power management set multiple schedules
- Communication ports Rs232/USB/RS485/CAN
- Zero transfer time
- 98% Real time sharing
- Overload Protection on 150% Load
- Surge Capacity 2* Rated Power for 5 Seconds
- Parallel upto 12 Units
- Built-in Dual MPPT parallel based 8500W solar charge controller (160A)
- High PV input voltage range (120~500 VDC)
- 12VDC Output 32A
- Dual AC Output
- Maximum PV input current 36A
- Multiple operation modes (On Grid / Of Grid / Hybrid)
- Grid-Tied net metering feature with 100% reverse grid feeding
- Built-in Zero export
- European Designed



*Terms & Condition Applies



Wi-Fi Dongle



Certification



MARVEL

S E R I E S

Powered by GROWATT PK

MODELS	MARVEL 5G EUROPEAN PV 8500
Rated Power	7000VA / 6500W
INPUT	
Voltage	230VAC
Selectable Voltage Range	90-280VAC (For Home Appliances) / 170-280VAC (For Computer)
Frequency Range	50Hz/60Hz (Auto Sensing)
OUTPUT (OFF GRID OPERATION)	
AC Voltage Regulation (Batt.Mode)	230VAC±10%
Overload (Line mode)	5a @>150% load; 10s @110%-150% load; 100ms @>200% Load
Efficiency(Peak)	98%
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)
Wave form	Pure Sine Wave
OUTPUT (GRID-TIE OPERATION)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184-264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	29.54A
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	<u>DUAL MPPT (PARALLEL)</u>
Maximum PV Array Open Circuit Voltage	500VDC
Maximum PV Array Power	8500W 98%
MPPT Range @ Operating Voltage	120~450 VDC
Maximum Solar Charge Current	80A + 80A = 160A
Maximum PV Input Current	36A
Nominal PV Voltage	240 VDC
Maximum AC Charge Current	60A
PHYSICAL	
Dimension.D*W*H(mm)	224 x 535 x 425 mm
Net Weight (kgs)	13.5 KG
Communication Interface	USB and Rs232
OPERATING ENVIRONMENT	
Humidity	0 to 90% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Note: Product specifications are subject to change without further notice



Built-in Wifi
Monitoring

Touchable
Buttons

