MARVEL
SERIES

160A
DUAL MPPT
(PARALLEL BASED)

7.0 KVA

5G EUROPEAN PV 8500
ON GRID WITH ENERGY STORAGE HYBRID

5 YEARS WARRANTY

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 Dual MPPT parallel based 8500W solar charge controller (160A)
- Built-in Battery equilizations/BMS (Battery Management System)
- Multiple operation modes (On Grid / Of Grid/Hybrid)
- Grid-Tied net metering feature with 100% reverse grid feeding
- 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)
- Surge Capacity 2* Rated Power for 5 Seconds
- Parallel upto 12 Units
- Smart power management set multiple schedules
- Comunication ports RS232/USB/RS485/CAN
- Zero transfer time
- 98% Real time sharing
- Overload Protection on 150% Load
- High PV input voltage range (120~500 VDC)
- 12VDC Output 32A Dual AC Output
- Maximum PV input current 32A
- Builtin Zero export
- European Designed

EUROPEAN BASED SOLAR HYBRID INVERTER

ZIEWNIC®
Solar Energy

MARVEL
SERIES

PRODUCT DATA SHEET

MODEL	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	DUAL MPPT (PARALLEL)
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	32A
Nominal PV Voltage	240 VDC
Maximum AC Charge Current	60A
PHYSICAL	
Dimension.D*W*H(mm)	224 535 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

Wi-Fi App