

# RAION M8 DATASHEET

- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function
- Compatible with BYD Battery-Box batteries
- Replaceable fan design for ease of maintenance
- Customizable usage modes such as time of use
- AC input both grid and generator compatible
- Built-in anti-dust kit
- Optional DC output
- Choice of AC output for different types of loads



## TECHNICAL PARAMETERS

<b>MODEL</b>	RaiOn M8
<b>CAPACITY</b>	8000VA / 8000W
<b>PARALELL CAPABILITY</b>	Up to 6 units
<b>INPUT</b>	
VOLTAGE	230 VAC
SELECTABLE VOLTAGE RANGE	170-280 VAC (For computers) 90-280 VAC (For Home Appliances)
FREQUENCY RANGE	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
AC VOLTAGE REGULATION (Line & Batt. Mode)	230VAC ± 5%
SURGE POWER	16000 VA
EFFICIENCY (PEAK)	93%
TRANSFER TIME (AC Mode to Batt. Mode)	10 ms (For Personal Computers), 20 ms (For Home Appliances)
WAVEFORM	Pure sine wave
NO LOAD POWER CONSUMPTION	<70 W
OPTIONAL DC VOLTAGE	12 VDC ± 5%, 100W
<b>BATTERY</b>	
BATTERY VOLTAGE	48 VDC
FLOATING CHARGE VOLTAGE	54 VDC
OVERCHARGE PROTECTION	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
SOLAR CHARGE TYPE	MPPT
MAXIMUM PV ARRAY POWER	8000 W (4000 W x 2)
MPPT RANGE @ OPERATING VOLTAGE	90-450 VDC
MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE	500 VDC
MAXIMUM SOLAR CHARGE CURRENT	120A
MAXIMUM AC CHARGE CURRENT	120A
MAXIMUM CHARGE CURRENT	120A
<b>PHYSICAL</b>	
DIMENSIONS DxWxH (mm)	147.4 x 432.5 x 553.6
NET WEIGHT (KGs)	18.4
COMMUNICATION INTERFACE	USB/Wi-fi
<b>OPPERATING ENVIRONMENT</b>	
HUMIDITY	5% to 95% Relative Humidity(Non-condensing)
OPERATING TEMPARATURE	-10°C to 50°C
STORAGE TEMPERATURE	-15°C to 60°C
<b>STANDARD</b>	
COMPLIANCE SAFETY	CE

\*Product specifications are subject to change without further notice.

