

LUMINOUS

 SOLAR



RAYVERTER

MAX ELITE HYBRID

RANGE AVAILABLE

6KVA/48V



Built-in WiFi with
APP for remote
monitoring



Parallel
peration with
up to 9 units



Dual output
for smart load
management



Battery independent
design for
simple installation

Technical Specifications

	RAYVERTER MAX ELITE HYB
MODEL	6KVA/48V
Rated Power	6000VA/6000W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers)
	90-280 VAC (For Home Appliances)
Frequency Range	55 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Overload capacity	5s@ $\geq$ 150% load; 10s@110%~150% load; 100ms @ $\geq$ 200% load
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers)
	20 ms (For Home Appliances)
Waveform	Pure sine wave
Grid Export	Yes
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Power	6000W
MPPT Range @ Operating Voltage	120 ~ 430 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
PHYSICAL & SAFETY	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12.0
Communication Interface	USB/RS232/RS485/Dry-contact/ WiFi in-built
Safety standard	EN/IEC62109-1, EN/IEC62109-2
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

* Product specifications are subject to change without prior notice

Schematic Representation



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