



RAYVERTER MAX+ HYBRID

RANGE AVAILABLE

3KVA-24V | 4.2KVA-24V | 6.2KVA-48V



Built-in WiFi with
APP for remote
monitoring

for 4.2KVA/ 6.2KVA models



Dual output for
smart load
management

for 4.2KVA/ 6.2KVA models



Wide PV input
range, starts
from 30VDC

for 3KVA/ 4.2KVA models



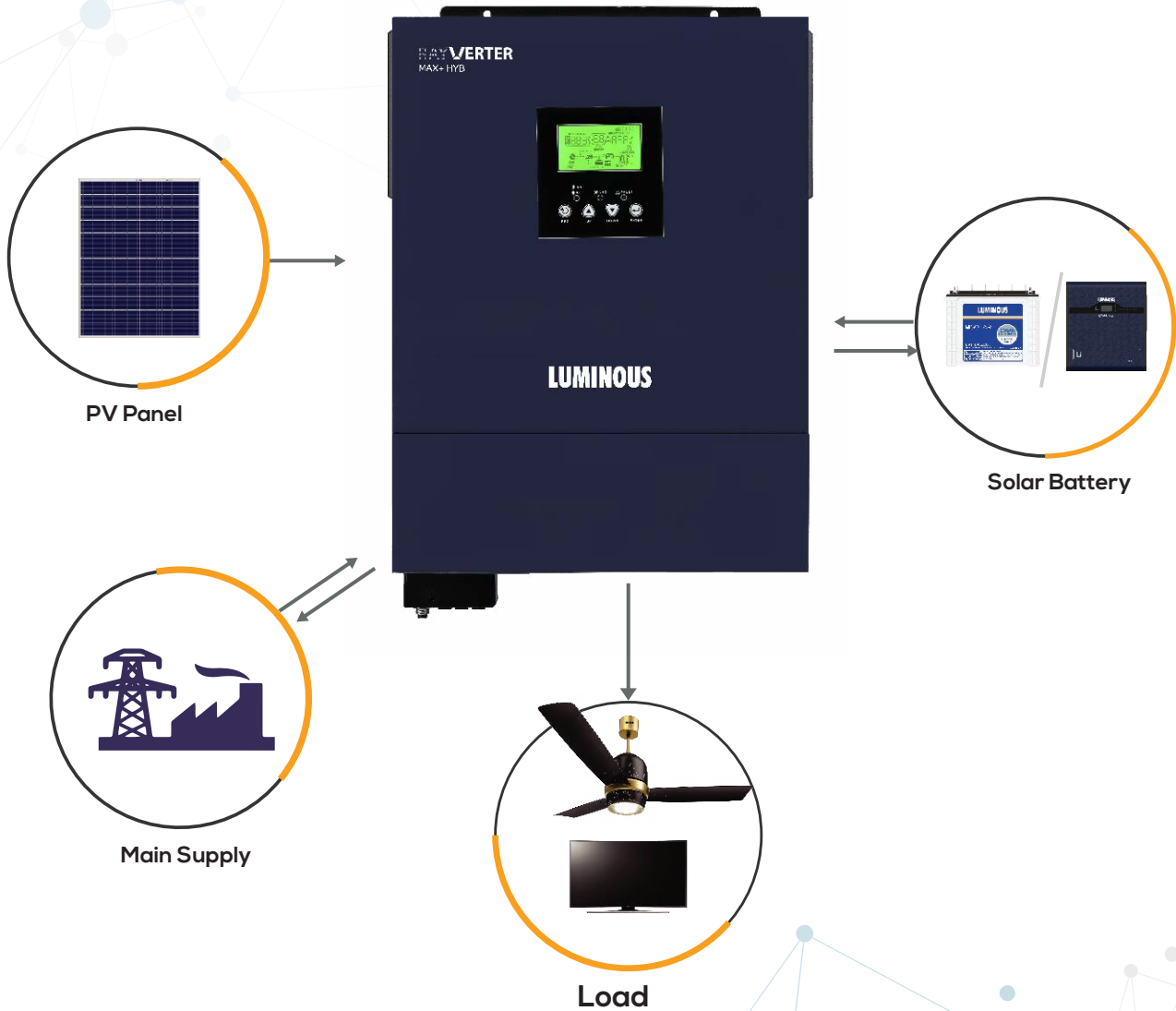
Battery independent
design for
simple installation

Technical Specifications

	RAYVERTER MAX+ HYB		
MODEL	3KVA/24V	4.2KVA/24V	6.2KVA/48V
Rated Power	3000VA/3000W	4200VA/4200W	6200VA/6200W
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers)		
	90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Output Power	3000W with PV & battery 2500W with battery only	4200W with PV & battery 4000W with battery only	6200W with PV & battery 5000W with battery only
AC Output No.	Single	Dual Outputs	Dual Outputs
Surge Power	6000VA	8400VA	12400VA
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	24 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC
Overcharge Protection	32 VDC		63 VDC
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Open Circuit Voltage	450 VDC		500 VDC
Maximum PV Array Power	3000W	5000W	6500W
Maximum PV Input Current	13 A	18 A	18 A
MPP Range @ Operating Voltage	30 ~ 400 VDC	30 ~ 450 VDC	90 ~ 450 VDC
Maixmum Solar Charge Current	100 A	120 A	120 A
Maximum AC Charge Current	80 A	100 A	100 A
Maximum Charge Current	100 A	120 A	120 A
PHYSICAL & SAFETY			
Dimension, D x W x H (mm)	90 x 288 x 357	120 x 300 x 440	120 x 300 x 440
Net Weight (kgs)	7.0	9.0	10.0
Communication Interface	RS232/RS485(BMS)/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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