



RAYVERTER

Max Elite 3IN Hybrid

RANGE AVAILABLE

8KVA-48V | 11KVA-48V



3 Input Sources
(PV/Grid/Generator)
for better energy
management



Parallel
operation
with 6 units



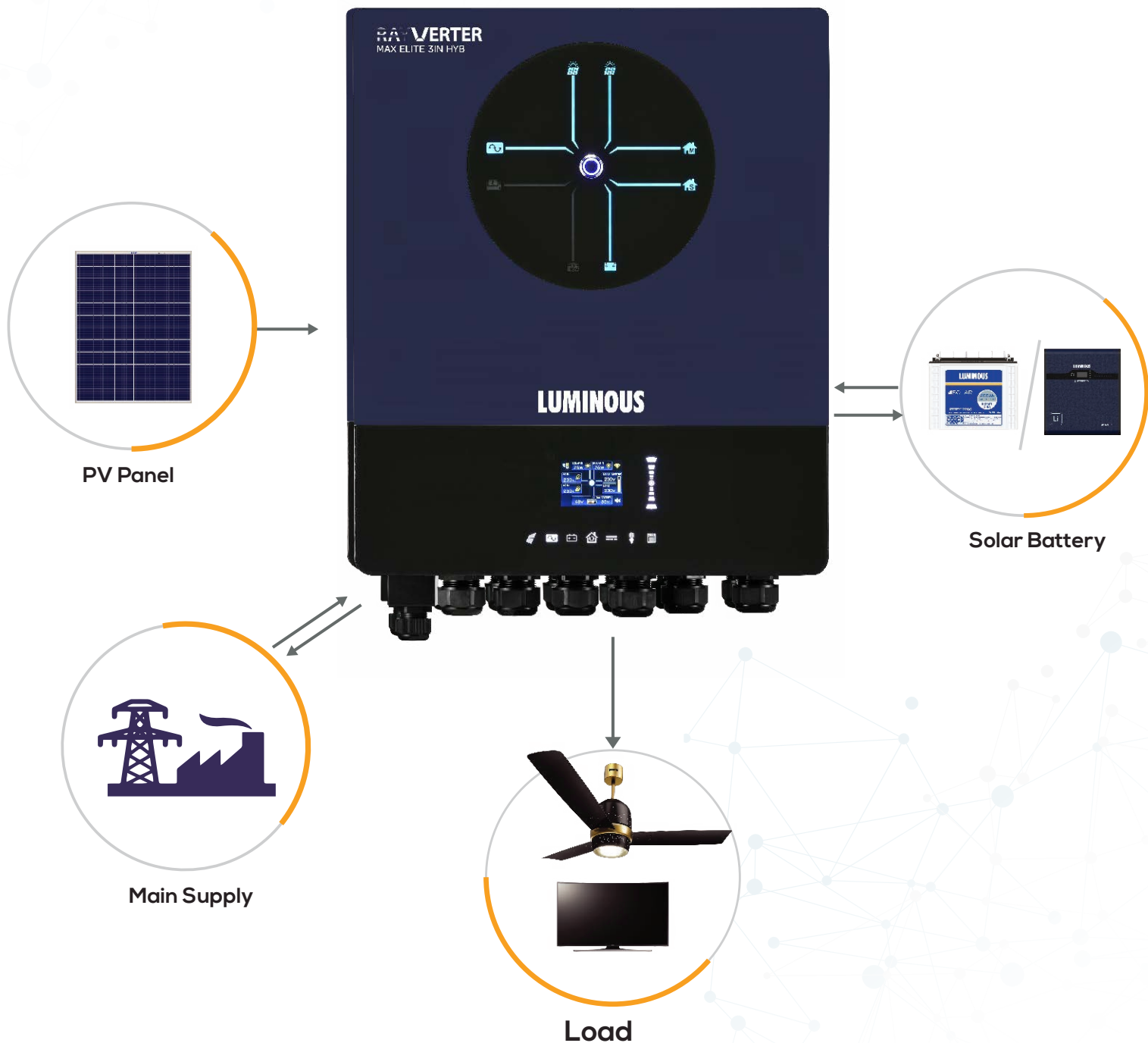
Maximum efficiency
with Built-in
meter calibration



Battery independent
design for
simple installation

RAYVERTER

Max Elite 3IN Hybrid



	RAYVERTER MAX ELITE 3IN HYB	
MODEL	8KVA/48V	11KVA/48V
Rated Inverter Power	8000VA/8000W	11000VA/11000W
Parallel Capability	YES, upto 6 units	
INPUT (Utility & Generator Power)		
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)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ±5%	
Surge Power	16000VA	22000VA
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	63 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	10000W (5000W x 2)	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2 (MAX 40A)	
Maxmum Solar Charge Current	150A	150A
Maximum AC Charge Current	120A	150A
Maximum Charge Current	150A	150A
PHYSICAL		
Dimension, D x W x H (mm)	145 x 438 x 553.6	
Net Weight (kgs)	18.4	
Communication Interface	USB/RS232/RS485/Dry-contact/BTS/Wi-Fi inbuilt	
SAFETY		
External current sensor port	Support optional GFCI, Rapid shutdown, AFCI detection	
Compliance Safety	EN/IEC 62109-1:2010, EN/IEC 62109-2:2011, IEC 61683:1999	
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		

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