

RAYVERTER NEO



Range Available:
3.2kva/24V | 4kva/24V | 6kva/48V



MPPT

Pure sine wave MPPT solar inverter
Built-in 80/120A MPPT solar charger



Battery

Battery independent operation
Battery equalization function



Inbuilt Wi-fi

Monitor your smart system on the move via our monitoring App and website



BMS

Reserved communication port (RS485,CAN) for BMS



Easy access

Interactive LCD Screen

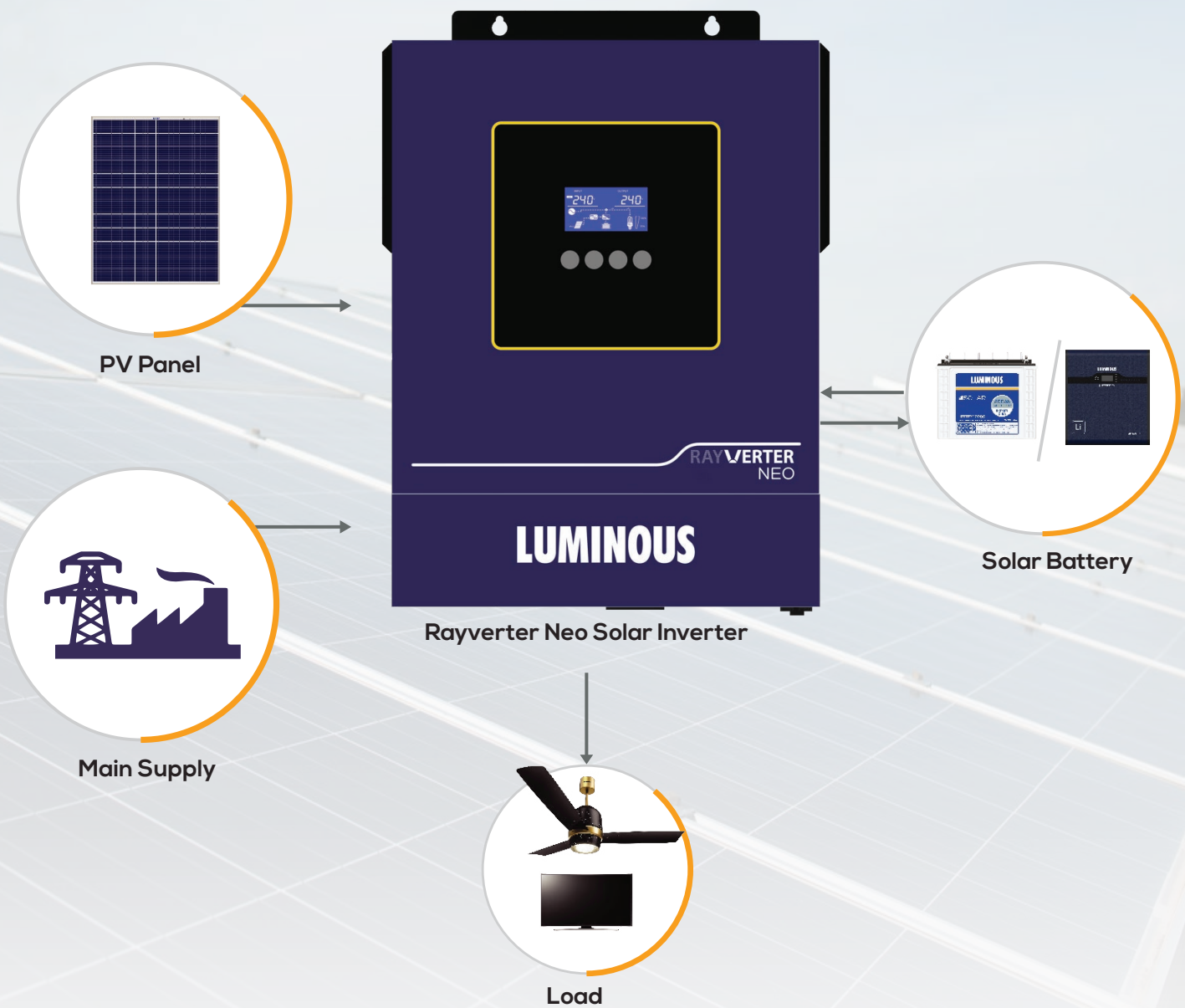


Dual Output

Two outputs for smart load management (available in 4-6KW)

RAYVERTER NEO

Schematic Representation



TECHNICAL SPECIFICATION

Technical Specification	Neo 3.2kva/24V	Neo+ 4kva/24V	Neo+ 6kva/48V
Rated Power	3200VA/3200W	4000VA/4000W	6000VA/6000W
AC INPUT			
AC Voltage	230VAC		
Voltage Range	170-280VAC (For Personal Computers); 90-280 VAC (For Home Appliances)		
Frequency Range	50/60Hz (Auto sensing)		
AC OUTPUT			
Surge Power	6400VA	8000VA	12000VA
AC Voltage Regulation (Battery Mode)	230VAC +5%		
Rated frequency	50/60Hz		
Efficiency (Peak)	93%		
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)		
BATTERY			
Battery Voltage	24VDC	24VDC	48VDC
Floating Charge Voltage	27VDC	27VDC	54VDC
Overcharge Protection	33VDC	33VDC	63VDC
Battery type	Lithium/Lead-acid		
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Vtag)	500VDC		
Maximum PV Array Power	3500W	5000W	7000W
MPPT voltage range(V)	30~450VDC	60~450VDC	
Maximum input current	15A	20A	27A
MPPT tracker/strings	1		
Maximum solar charge current	80A	120A	
Maximum AC charge current	60A	100A	
Maximum charge current	80A	120A	
PROTECTION & FEATURE			
AC overcurrent	Yes		
AC overvoltage	Yes		
Over temperature protection	Yes		
Smart load management	NO	Yes (optional)	
GENERAL PARAMETERS			
Operation temperature	-10°C~ 50°C		
Relative humidity	5%~95% (Non-condensing)		
Altitude	(2000m Derating)		
Dimensions DxWxH (mm)	348 x 270 x 95	400 x 300 x 115	
Net Weight(KG)	5.5	8.5	9
COMMUNICATION			
Interface	Standard: RS232,USB; CAN & RS485; WiFi		
Safety standard	EN/IEC62109-1,EN/IEC62109-2		

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