



SUNAURA Series Solar Charge & Inverter

SUNAURA 300M / 500M / 750M / 1000M / 1500M

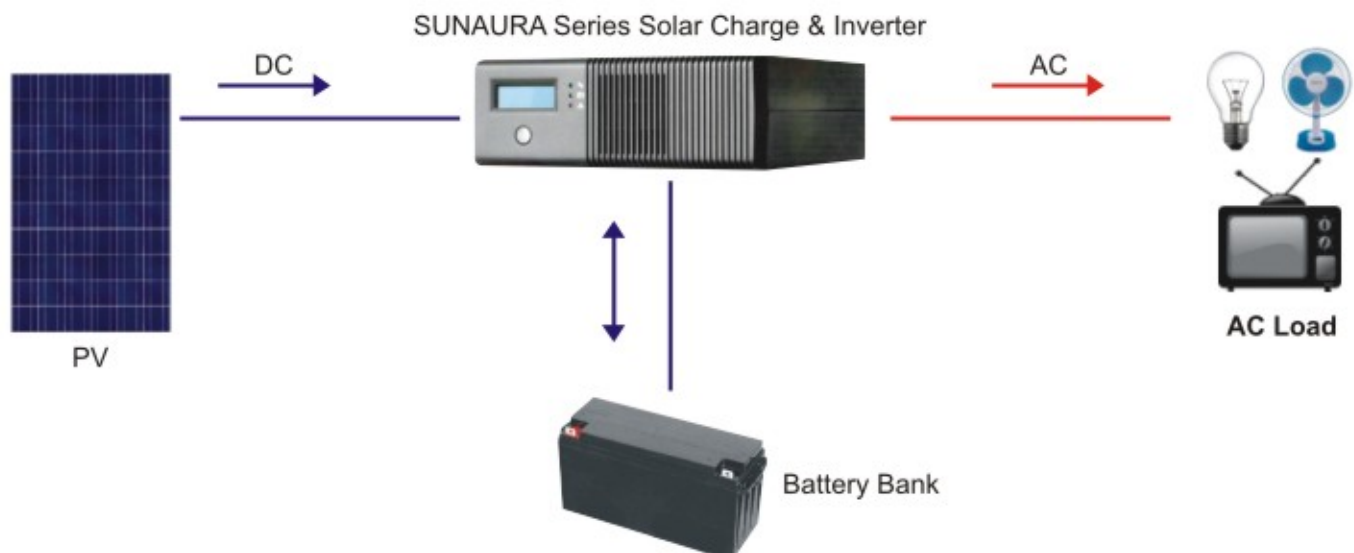


Features

- Green energy, eco-friendly
- Integrated controller and inverter, easy installation
- Safety and stable power supply
- Intelligent battery management, modified sine wave output
- Multiple protections e.g. DC/AC over voltage, over current, over temperature, short circuit protections, etc
- LCD digital display
- Can support 30~80W electric fan based on the rated output power of SUNAURA series

Description

SUNAURA series modified sine wave off-grid inverter integrates solar controller and inverter, easy installed, simple and useful. The system can directly converts DC electricity of solar modules to AC electricity of terminal load, solving the basic power supply problems. This series is especially applied for places without electricity or certain applications e.g. Family power supply, field work, travel sites, night market stalls, etc.



Technical Data

Model	SUNAURA 300M	SUNAURA 500M	SUNAURA 750M	SUNAURA 1000M	SUNAURA 1500M
Battery					
Battery type	Lead-acid battery				
Rated voltage (VDC)	12			24	
Rated capacity (VDC)	13.7			27	
Solar Controller					
Max. PV input power(W)	250	600	900	750W	1500VA/1000W
PV input voltage range (V)	14-30			24-50	
Max. charge current (A)	30				
Inverter					
Output voltage (Vac)	110/220/230/240±5%				
Output frequency (Hz)	50/60±3%				
Rated output power	300	500	750	1000	1200
Output wave	Modified sine wave				
Under voltage protection point (VDC)	10			20.7	
Over load capacity	100-125% 10min 125-150% 1min 200% 10 Sec				
System					
Display	LCD+LED				
Display contact	PV indicator, battery capacity, AC voltage, load percentage				
Inverter protection	AC over voltage, AC short circuit, DC over voltage, DC under voltage, over temperature, etc				
Cooling method	Air cooling				
Operating temperature range (°C)	-10~40 (>40 °C derating)				
Relative humidity in operation	0-95% (no condensing)				
Storage temperature range (°C)	-15~+50				
Max. operating altitude	<2000 (above 2000m, derated according to GB/T 3859.2)				
Noise emission db (A)	<50 (at 1 meter)				
Ingress protection rating	IP20				
Dimension (W*H*D mm)	260.5*248*87				
Weight (kg)	1.65	1.75	1.82	2.5	2.7