AURAWATT

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SP SERIES

SINGLE PHASE (2000 W)



Warranty
5 Years

Rated Voltage
12V

Pure Sine Wave

MPPT Voltage Range
30-400V

IP54 Rating Design

Multi-Layer Protection System

AURAWATT

DATASHEET

MODEL	AW-SP-L2-2000
AC INPUT	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90–280 (APP/GEN Mode); 170–264 (UPS Mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC OUTPUT	
Rated Capacity (kW)	2.0
Surge Power (kVA)	4.0
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60 Hz ±0.1%
Switch Time (ms)	10 (APP/UPS Mode) / 20 (GEN Mode)
Wave Form	Pure Sine Wave
Overload Capacity	Off grid Mode: bat+PV = long term@102%~125% Load; 10s@125%~250%Load
	Off grid Mode: bat = 150A < 1bat ≤ 170A 30s ; 170A < 1bat ≤ 200A 10s ; 200A < 1bat 0.5s
Max. Efficiency (Battery Mode)	91% @ 12VDC
Parallel Quantity	NA
CHARGER (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current (A) / Power (W)	18 / 3000
MPPT Range @ Operating Voltage (VDC)	30–400
Max PV Open Circuit Voltage (VDC)	450
Max PV Charge Current (A)	100
Max AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
BATTERY	
Rated Voltage (VDC)	12
Floating Charge Voltage (VDC)	13.8
Overcharge Protection (VDC)	15
Max. Charging Current (A)	100
Max. Discharging Current (A)	150
Battery Type	Lithium and Lead-acid
INTERFACE	
HMI	LCD/RGB
Interface	CAN / RS232 / CT (Optional)
Monitoring	WiFi / GPRS
GENERAL DATA	
Ingress Protection	IP54
Warranty	5 years
Operating Temperature	-10°C to 60°C
Relative Humidity	5%–95% (Non-condensing)
Storage Temperature	-15°C to 60°C
Net Weight (kg)	4.5
Dimensions (W × H × D)	331 × 270 × 100 mm
Max. Operating Altitude	4000 m (Derating above 1000 m)