AURAWATT

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SP SERIES

SINGLE PHASE (3000 W)

Rated Voltage
12V

Warranty
5 Years

Intelligent Monitoring System

Pure Sine Wave

MPPT Voltage Range
40-450V

IP54 Rating Design

Multi-Layer Protection System



DATASHEET

AURAWATT

MODEL	AW-SP-L2-3000
AC INPUT	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90–280 ±3 (Normal Mode); 170–280 ±3 (UPS Mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC OUTPUT	
Rated Capacity (kW)	3.0
Surge Power (kVA)	7.2
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 (Battery Mode)	60s @ 102%–110% Load; 10s @ 110%–130% Load; 3s @ 130%–150% Load; 0.25s @ >150% Load
Max. Efficiency (Battery Mode)	92% @ 24VDC
Parallel Operation Support	NA
CHARGER (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current (A)/ Power (W)	18 / 5000
MPPT Range @ Operating Voltage (VDC)	40–450
Max PV Open Circuit Voltage (VDC)	500
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)	15
Overcharge Protection (VDC)	18.5
Battery Type	Lithium and Lead-acid
INTERFACE	
HMI	LCD/RGB
Interface	CAN / RS232
Monitoring	GPRS / WiFi (Optional)
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)	6.2
Dimensions (W × H × D)	420 × 284 × 94 mm
Max. Operating Altitude	4000 m (Derating above 1000 m)