AURAWATT

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SP SERIES

SINGLE PHASE (6500 W)



Intelligent Monitoring System

Warranty
5 Years

Rated Voltage
48V

Intelligent Load Management

Wi-Fi
Built-in / Dongle

MPPT Voltage Range
60-450V

IP54 Rating Design

Multi-Layer Protection System

DATASHEET

AURAWATT

MODEL	AW-SP-L1-6500
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)	6.5
Surge Power (kVA)	13
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60 Hz ±0.1%
Switch Time (ms)	10 (Normal Mode) / 10 (UPS Mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10 min @ 102%–120% Load; 1 min @ 120%–150% Load; 10 sec @ 150%–200% Load; 5 sec @ >200% Load
Max. Efficiency (Battery Mode)	93% @ 48 VDC
Parallel Operation Support	NA
CHARGER (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Power	28 A / 9000 W
MPPT Range @ Operating Voltage (VDC)	60–450
Max PV Open Circuit Voltage (VDC)	520
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max Charge Current (PV + AC) (A)	120
BATTERY	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
INTERFACE	
HMI	LCD/RGB
Interface	CAN / RS232 / CT (Optional)
Monitoring	GPRS / WiFi - Built-in / Dongle
GENERAL DATA	
Ingress Protection	IP54
Warranty	5 years
Operating Temperature	-10°C to 50°C
Relative Humidity	5%–95% (Non-condensing)
Storage Temperature	-15°C to 60°C
Net Weight (kg)	10.7
Dimensions (W × H × D)	514 × 338 × 136.5 mm
Max. Operating Altitude	4000 m (Derating above 1000 m)