

Solarland W Series 120VAC Powerbanks

SPB-AW-55/300

Simple 'plug and play' systems are ideal for running various AC appliances.

300W 60Hz PowerBank Cabinet



Technical Information:

Output Power	Up to 300W
Inverter:	300W Modified Wave
Nominal Output Voltage	120VAC
Output Frequency	60Hz
Nominal Efficiency	≥85%
Overload & Short Circuit Protection	Yes
Display	Analog Voltmeter
Operating Temperature	-10°C~+40°C

Shipping Information:

Carton Size	360 x 240 x 510mm (14.25" x 9.5" x 20.1")
Carton Weight	7.5kg (16.5lbs) (without battery)

System Layout & Explanation:



Recommended Components:

1 x Solarland SLP100-12U (100011205B) Multicrystalline Panel

1 x 55Ah 12V Sealed Lead Acid or AGM

Solar Panel

Peak Power (W)	100W
Open Circuit Voltage (Voc)	21.6V
Max. Power Voltage (Vmp)	17.2V
Short Circuit Current (Isc)	6.46A
Max. Power Current (Imp)	5.81A
Carton Size:	1195*720*65mm (47" x 28.5" x 2.6")
Carton Weight	23kg(50lbs)

Panel is fitted with cables and ring terminals for simple installation.

Battery

Maximum Battery Dimension	275 x 175 x 235mm (10.8" x 6.9" x 9.25")
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! The SPB-AW-55/300 is configured to work with only 1 x Solarland SLP100-12U panel. Connecting additional panels will cause irreparable damage to the Powerbank. Please ensure the input current does not exceed 10A if using different panel/s.

AC PowerBanks

SPB-AW-55/300

This kit can generate up to 450Wh when the battery is fully charged.

Typical set up for the SPB-AW-55/300:



Example of power use:

Part Number	Qty	Description	Power(W)	Time/Day (Hours)	Power Consumption/Day (Wh)
SLL-L2005D	2	5W/12V LED Bulb	5	3	30
SLL-L1906DA	2	6W/12V LED T5 Tube Light	6	3	36
SDP-W-4	1	USB Cell Charger (Charging Phone)	2	3	6
NA	1	AC 19" TV	60	4.5	270
NA	1	AC Radio	10	6	60

Total: 402Wh

Note; ...this is an example of how the power from the SPB-AW-55/300 can be utilized. The time available to run various lights and appliances depends upon several variables including:

- Battery State of Charge
- Intensity of Sunlight being received by the Solar Panel
- Power Consumed by individual appliances.

Total load must be under 300W

⚠ The SPB-AW-55/300 is not designed to provide power to larger appliances such as washing machines, dryers, electric stoves/ovens etc.