

# Solarland W Series 120VAC Powerbanks

## SPB-AW-100/600

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

### 600W 60Hz PowerBank Cabinet



#### Technical Information:

Output Power	Up to 600W
Inverter:	600W Pure Sine Wave
Nominal Output Voltage	120VAC
Output Frequency	60Hz
Nominal Efficiency	≥85%
Overload & Short Circuit Protection	Yes
Display	LCD Display
Operating Temperature	-10°C~+50°C

AC Charging: ...the SPB-AW-100/600 features AC charging as standard.

#### Shipping Information:

Carton Size	590 x 300 x 750mm (23" x 12" x 30")
Carton Weight	16.5kg (36lbs) (without battery)

### System Layout & Explanation:



### Recommended Components:

1~2 x Solarland SLP100-12U (100011205B) Multicrystalline Panel

1 x 100Ah 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	440 x 235 x 280mm (17.3" x 9.25" x 11")
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**⚠** The SPB-AW-100/600 is configured to work with a maximum of 2 x Solarland SLP100-12U panel. Connecting additional panels will cause irreparable damage to the Powerbank. Please ensure the input current does not exceed 30A if using different panel/s.

# AC PowerBanks

## SPB-AW-100/600

This kit can generate up to 800Wh when the battery is fully charged.

Typical set up for the SPB-AW-100/600:



### 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	5	50
SLL-L1906DA	2	6W/12V LED T5 Tube Light	6	5	60
SDP-W-4	1	USB Cell Charger (Charging Phone)	2	3	6
NA	1	Laptop Computer	60	5	300
NA	1	AC 19" TV	60	4	240
NA	1	AC Radio	10	6	60

**Total: 716Wh**

**Note;** ...this is an example of how the power from the SPB-AW-100/600 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 600W**

**⚠** The SPB-AW-100/600 is not designed to provide power to larger appliances such as washing machines, dryers, electric stoves/ovens etc.