Plug-In Battery
HWE-BAT-11

homewizard



Use your solar power day and night.

Plug & Play

Install it yourself within minutes.

Your home on solar power

Make the most of your own renewable energy.

Export less to the grid

Store your energy instead and save money.

Technical Specifications HomeWizard Plug-In Battery

Product name	**HomeWizard Plug-In Battery**
General features	
Type number	HWE-BAT-11
Weight	25 kg
Wireless connectivity	Wi-Fi 2.4GHz b/g/n
Standby consumption	1 W
Size	40 cm (length) x 20 cm (width) x 30 cm (height)
Capacity	2.688 kWh (105 Ah)
Cable Length	1.5 meter
Inverter	
Nominal load	3.5 A (±800 watts)
AC discharge range	30 - 800 W
AC charge range	50 - 800 W
Output wave: (THDV)	Pure sine wave 2% linear load 4% non-linear load
Frequency range	47Hz ~ 63Hz
Power factor	0.99 at nominal load
Total Harmonic Distortion (THD)	<5% at nominal load
DC Voltage range	20 - 29.5 Vdc
Maximum DC current	37 A
Rated output power	800 W
Maximum apparent output power	889 VA
Maximum output current	4.5 A
Rated output voltage	230 V
Rated output current	3.5 A

Noise	34 dBm nom. 45 dBm max. (at 1 meter distance)
Cells	
Chemistry	LFP (lithium-iron-phosphate)
Lifespan	6,000 cycles to 70% capacity
Battery management	
Battery management system (BMS)	Active balancing
Safety measures	
Cell protection	Overvoltage Power overload Overheating Overcurrents Short-circuit Low voltage
Battery device protection	Overheating Low temperatures Tilting Dropping Shocks and vibrations Water leakage Off-grid operation
Operating conditions	
Optimal temperature range	10 °C ~ 30 °C
Operating Temperature range	0 °C ~ 40 °C
Storage temperature range	0 °C ~ 40 °C
Relative humidity	<95% RH, non-condensing