EverVolt®

Panasonic

EVHB-L6 – EVERVOLT 2.0 STORAGE SYSTEM

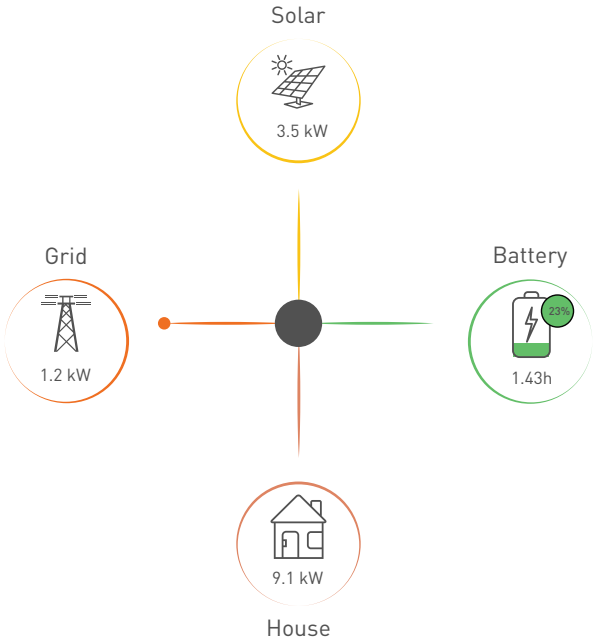
PRELIMINARY

EVERVOLT™ HOME ENERGY STORAGE SYSTEM

Optimize your solar investment and create a more resilient energy future. With EverVolt you can store your excess solar power for when you need it most or sell your surplus energy back to your local utility.

FEATURES

- Hybrid inverter with both AC and DC coupling capabilities
- Modular design with storage options starting from 17.5 kWh to fit your energy needs*
- Can be installed as standalone battery-ready solar inverter (batteries can be added later)
- 4 MPPT channels for PV input
- Outdoor rated system
- LFP battery chemistry
- Multiple operating modes controlled through user-friendly mobile app
- Three main components for simple installation
- 10-year Panasonic warranty



*Preliminary value. Up to 52.5 kWh maximum energy storage when stacking systems (available Q2 FY2023).

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RS21386DS-r16

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INVERTER SPECIFICATIONS

SOLAR INPUT	
Maximum Power (DC)	12000W (3000W per string)
Operation Voltage Range (DC)	120 - 500VDC
MPPT Voltage Range (DC)	230 - 410VDC
Minimum Start Voltage (DC)	120 VDC
Maximum Input Current (DC)	13A per string
Maximum Power (AC)	7600W

AC OUTPUT TO LOAD	Off-Grid/Backup	With Grid Support (self-supply/TOU)
Continuous Power @25°C	7600W	9600W
Overload 5/1/0s @25°C & 240V	12 / 15 / >15kW	> 7600W 30sec
Overload 5/1/0s @25°C & 120V	6 / 7.5 / >7.5kW	> 3800W 30sec
Rated Output Current (RMS)	32A	40A
Output Frequency	60Hz (Auto Sensing)	
Output Voltage and Accuracy	L-N: 120V ± 5%; L-L: 240V ± 3%	
Total Harmonic Distortion (THD)	< 5% at rated power	

AC INPUT FROM GRID	
Maximum Power	9600W
Input Voltage Range	120 to 288V (240V Nominal)
Automatic Transfer Relay Rating	48A
Input Frequency Range	45 to 65Hz

EFFICIENCY	
Peak/CEC Weighted (PV to Grid)	96.5% / 96%
Battery to AC	96%
Grid to Battery	96%
Battery to Grid (Round Trip)	90%
System Standby Power	20W

DC BATTERY CHARGER	
Max Charge/Discharge Current	23A/33.3A
Output Voltage Range	240 to 340V (300V Nominal)
Grid Power Factor Correction	>98%

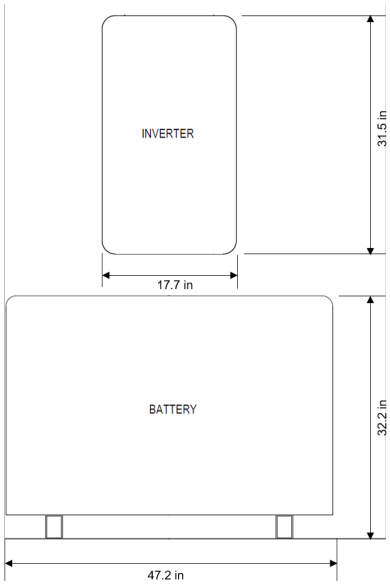
GENERAL SPECIFICATIONS	
Weight	38.2kg(84.2lb)
Dimensions (HxWxD)	809x450x254mm (31.8x17.7x10.0in)
Protection Rating	NEMA 3R
Operating Temperature	-20 to 55°C (-4 to 131°F), derated > 40°C (104°F)
Minimum Startup Temperature	0°C (32°F)
Storage Temperature	-25 to 70°C (-13 to 158°F)

BATTERY SPECIFICATIONS

Useable Capacity	17.5 kWh
Battery Chemistry	Lithium Ferrite Phosphate
Operating Voltage	260 to 340V
Continuous Charge Power	10kW
Continuous Discharge Power	10kW
Peak Discharge Power	17kW @5 seconds
Continuous Charge Current	30A
Continuous Discharge Current	30A
Depth of Discharge (DOD)	100%
Cycle Life (80%DOD, @25°C)	6000 cycles
Communication Interface	RS485
Assembled Weight	260kg (573.2 lbs)
Dimensions (W*H*D)	1140x818x300mm(44.9x32.2x11.8in)
Installation Method	Floor Standing
Protection Rating	IP55
Operating Temperature	-20 to 45 °C (-4 to 113°F)
Min. Cold Charge Temperature	-20°C (-4°F)
Storage Temperature	-20 to 40°C (-4 to 104°F)

COMPLIANCES	
Inverter*	UL1741SA, FCC Class B, IEEE 1547, IEEE 2030.5, CSA C22.2, CSIP/E5000, SunSpec
Battery*	UL1642, UL1973, UN38.3
Inverter + Battery*	UL9540, UL9540A, SGIP

DIMENSIONS



*Pending certification

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