Experience unbeatable value in residential and small C&I applications.

More than just an energy storage system.

Technical Datasheet

the-sunlight-group.com

51.2V - 100Ah

Product Specifications

Cell Type	Lithium-iron Phosphate (LFP)
Nominal Voltage	51.2 V
Nominal Capacity	100 Ah
Nominal Energy	5.12 kWh
Usable Energy	4.92 kWh
Max. Voltage Range	44.8 - 57.6 V
Charge voltage	56 V
Float Voltage	54.6 V
Recommended Charge Current	50 A
Max. Charge Current	70 A
Recommended Discharge Current	50 A
Max. Discharge Current	100 A
Communication	RS485/CAN
Peak Discharge Current	101~119 A (5 min) | 120~149 A (15 sec)
IP Rating	IP20
Cycle Life	≥ 6000 cycles at 90% DoD
Net Weight	46 kg (101.4 lb)
Dimensions (W x H x D)	482 x 133.5 x 460 mm (18.9 x 5.2 x 18.1 inch)
Operating Temperature	-10 to +50oC (14 to 122oF)
Storage Temperature	-10 to +45oC (14 to 113oF)
Relative Humidity	5% ~ 90%, No condensation
Installation Altitude	≤3000 m
Installation Location	Indoor
Certification	IEC62619 | UL1973 | UN38.3 | CE | UKCA

Features

Modularity & Scalability
Up to 32 units in parallel | 5 kWh - 160 kWh configuration without external controller

Safe & Reliable
Cobalt free with safe LiFePO4

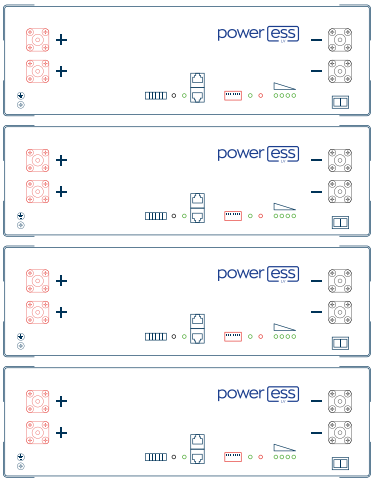
High Performance
≥ 6000 cycles | max. 1C discharge rate | 96% DoD

Installation Flexibility
Stack, Floor & Rack mounted options

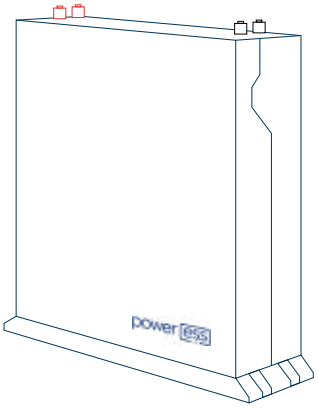
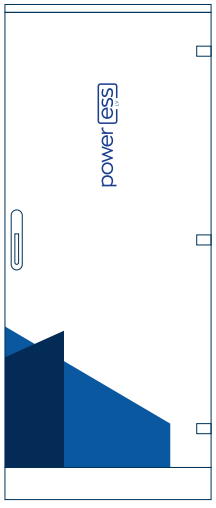
Compatibility
With most of the inverter manufacturers: Solis, Victron, SMA, Studer, Goodwe, Deye, Sol-Ark, Growatt, Sunsynk, SAJ, Luxpower, Megarevo, MUST, Alpha outback, Phocos, Voltronic, MPP, TBB, Sofar, INVT, Sermatec, Schneider

Installation Options

Stack mounted



Floor mounted



Rack mounted