

Commercial  
Residential Energy

# PowerPack LV



## Features

### Lift-up Mobility

- From 5.12kWh to 614.4kWh
- Between 2 to 8 battery modules can be used in single stack to give 10.24 to 40.96kWh usable capacity
- Up to 15 stacks can be connected in parallel to give a maximum 614.4kWh usable capacity
- Additional module or parallel stack can be added to increase capacity

### Safety Guaranteed

- LFP battery, cobalt free, environmentally friendly
- Maximized safety, cycle life, and power output

### Wide-range Application Scenarios

- Suitable for emergency-backup and off-Grid
- Self-consumption optimization for Residential and commercial



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PowerPack LV	
Main Control Module	BLH-LV-Powerpack-BMU
Battery Module	BLH-Powerpack-5 (51.2V 100Ah, 5.12kWh)
Battery Module QTY	2    3    4    5    6    7    8
Usable Energy (kWh) <sup>[1]</sup>	10.24    15.36    20.48    25.6    30.72    35.84    40.96
Capacity (Ah)	200    300    400    500    600    700    800
Max Continuous Power (kW) <sup>[2]</sup>	9.0    13.5    15.0
Max Peak Current (A) <sup>[3]</sup>	200,10s    300,10s    400,10s    500,10s
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	43.2-58.4
Communication	CAN/RS485/RS232/WIFI
LxWxH (mm)	735x400 (L*W)
	646    781.5    917    1052.5    1188    1323.5    1459
Net Weight (kg)	141    193    245    297    349    401    453
Protection Level	IP55
Cycle Life	8000 times, @25°C, 60%DOD
Warranty <sup>[4]</sup>	10 years
Operating Temperature <sup>[5]</sup>	-20 °C to +55 °C (Charge 0 °C to +55 °C)
Certification	CE/UKCA/UL 1973/UL9540/UN 38.3/MSDS
Scalability	Max.15 systems in parallel (614.4kWh)
Application	ON Grid (Self consumption/ON Grid+Backup/Backup) and Off Grid

[1] Test conditions: 100% DOD, 0.2C charge & discharge @+25°C. System Usable Energy may be variant with different inverter brands.

[2] Main circuit breaker maximum current capability.

[3] In off-grid applications, the main circuit breaker should be bypassed, use a separate circuit breaker with a large current capacity.

[4] Conditions: Refer to Power Base Mate warranty.

[5] -20 °C ~ 15 °C / 50 °C ~ 55 °C will be derating.

### Compatible Inverter Brands:

