

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-5kWh
Battery Module QTY	2 3 4 5 6 7 8
Usable Energy (kWh) ^[1]	10.24 15.36 20.48 25.6 30.72 35.84 40.96
Max Continuous Power (kW) ^[2]	9.0 13.5 15.0
Max Peak Current (A) ^[3]	200,10s 300,10s 400,10s 500,10s
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	43.2-58.4
Cycle Life	8000 times
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
Warranty ^[4]	10 years
Operating Temperature ^[5]	-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
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:

