

# STACKABLE BATTERY LOW VOLTAGE

PWHV 10/15/20/25/30/35/40kWh

Low Voltage LFP Battery



## High-Performance

- Up to 50A continuous charging and discharging current with high efficiency
- Up to 100% usable energy



## Safety

- Lithium iron phosphate Battery
- Multi-stages protection design and extensive safety certification



## Dual Protection Circuits

- BMS management protection
- Leakage protection circuit



## Flexibility

- Extendable during lifetime
- Support 2-8 modules per unit, 9-40kWh










## Easy Installation

- Compact and light, easy installation
- Plug and play, no cables needed between battery modules



## Degree of Protection IP54

- protection for indoor and outdoor use, suitable for harsh environments such as high altitude, high and low temperature, etc.,

Technical Data	PBLV10.24	PBLV15.36	PBLV20.48	PBLV25.6	PBLV30.72	PBLV35.84	PBLV40.96
							
	2 modules	3 modules	4 modules	5 modules	6 modules	7 modules	8 modules
<b>Performance parameters</b>							
Battery type	Lithium Iron Phosphate						
Cooling method	Self-Cooling						
Nominal Voltage	51.2V						
Nominal Capacity	200Ah	300Ah	400Ah	500Ah	600Ah	700Ah	800Ah
Energy	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh
Standard charging current	50A						
Maximum charging current	100A						
Continuous discharge current	100A						
Maximum discharge current	200A	300A	400A	500A	600A	700A	800A
Dimensions (mm)	602L*403W*400Hmm	602L*403W*600Hmm	602L*403W*800Hmm	602L*403W*1000Hmm	602L*403W*1200Hmm	602L*403W*1400Hmm	602L*403W*1600Hmm
Weight (approx.)	125kg	180kg	235kg	290kg	345kg	400kg	455kg
Design lifespan	>15 years @25°C						
Cycle life	≥6000 cycles 85% DOD						
Protection	Smart BMS						
Energy expandable	Support 16 units in parallel						
Charge/ Discharge Temp.	0°C to 45 °C (32F to 113F)/ -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity						
Storage Temp.	0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity						
Degree of protection	IP54						
Communication interface	RS485, RS232, CAN						
Installation method	Stacked						
Cell certification	CE, UL, IEC 62109-1&-2, IEC 62477, EN61000, UN38.3						
Battery certification	CE, UN38.3, MSDS, Dangerous Package Shipping Doc.						

1: Test conditions:25 °C, 100 % depth of discharge (DOD), 0.2C charge&discharge  
2: Refer to battery warranty letter for conditional application