

STACKABLE BATTERY

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

High-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





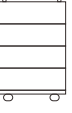




Easy Installation

- 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	PBHV10.24	PBHV15.36	PBHV20.48	PBHV25.60	PBHV30.72	PBHV35.84	PBHV40.96
							
	8 modules	8 modules	8 modules	8 modules	8 modules	8 modules	8 modules
Performance parameters							
Battery Type	Single-Phase						
Battery Module	3KW/5KW Optional						
Nominal Capacity	50A	50A	100A	100A	100A	100A	100A
Energy (usable)	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh
Nominal voltage	204 V	307 V	204 V	256 V	307 V	358 V	409 V
Operating voltage	160 – 230 V	240 – 345 V	160 – 230 V	200 – 290 V	240 – 345 V	280 – 403 V	320– 460 V
Rated DC power	10.2 kW	15.35 kW	10.2 kW	12.8 kW	15.36 kW	17.9 kW	20.45 kW
Max. charge / discharge power	11.5 kW	17.25 kW	11.5 kW	14.5 kW	17.25 kW	20.15 kW	23.00 kW
Max. charging / discharging current: continuous	50A						
Max. charging / discharging current	100 A						
Depth of Discharge	Max.100 % DOD (settable)						
Display	SOC indicator, status indicator						
Communication interface	CAN,RS232,RS485,						
Protection							
Over / under voltage protection	YES						
Over current protection	YES						
Over / under temperature protection	YES						
DC breaker	YES						
General Data							
Dimensions (W*H*D)	602*403*702mm	602*403*902mm	602*403*1102mm	602*403*1302mm	602*403*1502mm	602*403*1702mm	602*403*1902mm
Weight	150 kg	202 kg	253 kg	305 kg	357 kg	409 kg	461 kg
Installation Location	Indoor / Outdoor						
Mounting method	Floor stand						
Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity						
Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity						
Storage Temperature	0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity						
Degree of protection	IP54						
Allowable relative humidity range	0 % to 95 % no condensing						
Max. operating altitude	Max. 2000 m						
Cooling method	Natural convection						
Certificates	CE, CEC, IEC 62619, IEC 62040, UN38.3, VDE 2510-50						
Warranty	5 Years Battery Warranty/15-20 Years Service time						

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