

Model

PTN-BAT-05K-WM-LFP-100



[More Usable Energy]

100% Depth of Discharge

[Flexible Investment]

Up to 15 units in parallel

[Safe & Reliable]

Premium Lithium Iron Phosphate(LFP)
4000 cycles

[Easy Installation]

Floor stand or wall mounted

[Quick Commissioning]

One button ON/OFF
Automatic ID assignment

[Perfect Compatibility]

Compatible with major PCS brands

DATASHEET

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Performance	
Cell technology	LFP (LiFePO ₄)
Battery usable energy [1]	5.12 kWh
Nominal voltage	51.2 V
Operating voltage	45.6 - 56.16 V
Nominal output current	100 A / 50 A
BMS protection current	110 A, 1 s

Communication	
Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi (optional)

General Specification	
Dimension (W*D*H)	460×161.5×614 mm
	18.1×6.4×24.2 inch
Weight	47 kg (104 lbs)
Installation	Floor stand or Wall mounted
Operating temperature [2]	-20 to 60°C (-4 to 140°F)
Environmental humidity	≤ 95%RH (No condensation)
Protection rating	IP 20
Cycle life [3]	4000 Cycles @ 80% DOD / 25°C / 0.5C, 70% EOL
Scalability	Max 15 batteries in parallel
Application	ON Grid / ON Grid + Backup / OFF grid
Compatible inverters	Refer to compatible inverter list (Compatible with major PCS brands)

Standard Compliance	
Certificates	Cell: UN38.3 / IEC62619 / UL 1642 / JET
	Battery pack: UN38.3 / IEC62619 / IEC61000 / UKCA (More available upon request)

Ordering and Deliverable Part	
Part	PTN-BAT-05K-WM-LFP battery
	PTN-BAT-05K-WM-LFP parallel cable
	PTN-BAT-05K-WM-LFP to PCS cable

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] Charge/discharge derating occurs when the operating temperature from -10°C to 5°C & 45°C to 55°C.

[3] Please refer to the Warranty Letter for applicable conditions.