



PowerX series

Low-voltage rack battery



Mature and Reliable

Long Lifespan, cycle >6000 times,
15-year calendar life

Smart Management, integrated
one-stop BMS, one package one
management

Wide compatibility, low-voltage
battery, widely compatible with
high-quality inverter brands



Ultimate Flexibility

Various wiring and installation methods,
including stacking, wall-mounting, and
built-in cabinet installation

Optional models, quick plug and
lock screw power connections available

Convenient expansion, 16pcs parallel
expansion, one-click upgrade



Economical and Safe

Low-cost control, innovative internal
structure Simplified design, refined
material selection, ensuring quality
and cost-effectiveness

Cell firewall, cell-level fire partition
Effectively prevent thermal runaway
and heat spread

SYSTEM PARAMETER

Item	PowerX E5
	
Cell type	LiFePO4
Nominal energy	5.12kWh
Nominal capacity	100Ah
Rated voltage	51.2Vdc
Operating voltage range	44.8Vdc~57.6Vdc
Maximum charge/discharge current	100A/100A
DOD	95%
Communication	RS485, CAN, WIFI (Optional)
Expansion	Up to 16 units in parallel
Dimensions (W*D*H)	440*535*130 mm
Weight	≈45kg
Temperature	Charge: -10~50°C; Discharge: -20~50°C
Humidity	5~95%RH No condensation
Altitude	< 2000m
Protection level	IP20
Installation	Indoor, wall-mounted, stacked, built-in rack housing; Fence lock screw power connection or push-in power connection
Cycle life	> 6000@ 25 °C@ 0.5C
Certification	IEC62619/CE/UN38.3/RoHS/UL1973/UL9540A/FCC

Address
No.8, Keji Avenue, Gaocheng
Town, Yixing City, Jiangsu
Province, P.R. CHINA

Base
ESS:
Yixing, China
Cylindrical Cell:
Yichun, China

**Far East Greater Bay Area
Headquarters**
located on 34F, Block C, Hongrongyuan
Huanzhi Center, Longhua District, Shenzhen

Sales Oce
EUR : Rotterdam, Netherland
Frankfurt, Germany
Milano, Italy

**Service Center
& Warehouse**
EUR : Rotterdam, Netherland
Frankfurt, Germany
Fermo, Italy

Website
www.en.febbattery.com

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