

LFP System for AI Data Centers

DP60



Safety by Design

LFP battery cells with three-level BMS architecture
Certified by accredited third-party testing authorities



Long Cycle Life

Long calendar life design, lower total cost of ownership (TCO)



Fast Dynamic Response

The 10C discharge rating ensures seamless management of rapid power fluctuations and guarantees the stability of the system.



High Reliability

Independent charging and discharging circuit, AC & DC dual power supply, ensuring uninterrupted operation



630kW

Maximum Discharge Power

0.48m²

Per Cabinet

5~10min

Backup Power Duration

10C

Discharge Rating

Item	Specification
Electrochemical system	LFP
Rated voltage (Vdc)	614.4
Rated capacity (Ah)	125
Rated energy (kWh)	76.8
Number of battery modules	12
Number of high-voltage boxes	1
Voltage range (Vdc)	518.4-681.6
Maximum operating temperature	Charging 0°C to 40°C; Discharge -20°C to 40°C
Recommended ambient temperature	15°C~35°C
Cooling method	Air cooling
Battery module type	51.2V125Ah
Dimensions	600x800x2000mm
Weight (±3%)	1230kg
Parallel capability	Supports up to 16 cabinets in parallel
Storage temperature	-20~45°C
Altitude	0-4000 m, above 2500 m, use 3%/500 m derating
Humidity	5%~95%RH