

LFP System for AI Data Centers

DP30



Intrinsic Safety

Proprietary LFP technology for superior safety and stability.
Real-time protection with insulation and leakage current monitoring.



AI Workload Ready

6C high-rate cell discharge capability
Active thermal management for dynamic AI workloads.



High Space Efficiency

326 kW full cabinet footprint of just 0.48 m².
Versatile deployment for containers and indoor environments.



Flexible O&M

Modular design for quick replacement of critical components.
AI-powered predictive analytics for safety and SOH.



326kW

Maximum Discharge Power

0.48m²

Per Cabinet

10~30min

Backup Power Duration

IP20

Protection Rating

Item	Specification
Electrochemical system	LFP
Rated voltage (Vdc)	614.4
Rated capacity (Ah)	120
Rated energy (kWh)	73.7
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	51.2V120Ah(1P16S)
Dimensions	600×800×2000mm
Weight (±3%)	860kg
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