



Roller-16K

Low-Voltage Roller Battery



High Energy Efficiency

With a large capacity of 314Ah and a 90% (DOD), it offers efficient discharge.



Intelligent Compatibility

Modular integration design, supporting parallel connection of 2 to 16 battery modules.



Convenience

360° rotatable, lightweight, easy installation and mobility.



Safe & Reliable

LFP battery with integrated BMS and IP65 protection.



Environmental Adaptability

Extreme temperatures, -20°C to 55°C, humidity levels, 5% to 95% RH.



Long Lifespan

Long lifespan of ≥6000 cycles at 25°C with 0.5C discharge rate, reducing replacement costs.

Technical Specification

MODEL	Roller-16K
GENERAL DATA	
Rated capacity	314Ah
Nominal voltage	51.2V
Recommended charge current	150A
Maximum charge current	180A
Recommended discharge current	150A
Maximum discharge current	180A
Maximum charge voltage	58V
DOD	90%
Charge Temperature (°C)	0~55
Discharge Temperature (°C)	-20~55
Storage Temperature (°C)	-20~55
Relative Humidity (%RH)	5~95
Cycle Life	≥6000 (25°C, 0.5C)
Operating Altitude (m)	≤3000
Installation Method	Mobile
Protection Grade	IP65
Cooling Method	Natural cooling
Weight (kg)	110 (±1)
Dimensions (H×D×W, mm)	880×430×250(±1)
Number of Modules	2
Communication Method	CAN2.0B + RS485
STANDARD COMPLIANCE	
Certificates	UN38.3 EN/IEC 61000-6-1&-3,IEC 62619+TUV mark