



## Roller-15K

Low-Voltage Roller Battery



### High Energy Efficiency

With a large capacity of 280Ah 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 Adatpability

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



### Long Lifespan

Long lifespan of ≥5000 cycles at 25°C with 0.5C discharge rate, reducing replacement costs.

## Technical Specification

MODEL	Roller-15K
<b>GENERAL DATA</b>	
Nominal energy (kWh)	14.33
Nominal capacity (Ah)	280
Nominal voltage (V)	51.2
Operating voltage (V)	40-58.4
Max. charging current (A)	150
Max. discharging current (A)	200
DOD	90%
System Configuration	1P16S
Installation	Mobile
Battery type	LiFePO4
Communication	CAN/RS485
Cycle life	≥5000@25°C, 0.5C
Working temp range (°C)	Charge: 0 ~ +55    Discharge: -20 ~ +55
Storage temp (°C)	-20 ~ +45
Relative humidity	5~95%RH
Max.operating altitude (m)	≤3000
Protection class	IP65
Cooling	Natural Cooling
Bluetooth communication	Optional
Net weight (kg)	109.5
Product dimension (W*H*D)(mm)	881*480*251
<b>STANDARD COMPLIANCE</b>	
Certificates	UN38.3, RoHS, EN/IEC 61000-6-1&-3