

Roller Series Products

Roller-LV-10~15K Series



Safety and Stability

The lithium iron phosphate (LFP) battery is equipped with an integrated(BMS) and IP65 protection rating.



High Energy Efficiency

With a large capacity of 205Ah and a 90% (DOD), it offers efficient discharge.



Convenience

The battery features a 360° fully rotatable design, with a lightweight construction that reduces installation and mobility challenges.



Durability and Cost-Effectiveness

Long lifespan of ≥8000 cycles at 25°C with 0.5C discharge rate, reducing replacement costs.



Intelligent compatibility

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



Environmental Adaptability

It operates stably in extreme temperatures ranging from -20°C to 55°C and functions normally in humidity levels between 5% and 95% RH.

Model	Roller-LV-10K	Roller-LV-15K
Nominal Energy	10.49kWh	14.33kWh
Nominal Capacity	205Ah	280Ah
Nominal Voltage	51.2V	
Operating Volatge	40-58.4V	
Max. Charging Current	150A	
Max. Discharging Current	200A	
DOD	90%	
Number of Strings	16	
Installation	Mobile	
Battery Type	LiFePO4	
Communication	CAN/RS485	
Cycle Life	≥8000@25°C, 0.5C	
Working Temp Range	Charge: 0°C~55°C Discharge: -20°C~55°C	
Storage Temperature	-20°C~+45°C	
Relative Humidity	5~95%RH	
Working Altitude	≤3000m	
Protection Grade	IP65	
Cooling Method	Natural Cooling	
Net Weight	85kg	109.5kg
Product Dimension(W*H*D)	741*480*251mm	881*480*251mm