

Rack Mounted Lithium Iron Battery

R-PRO-24V/51.2V



R-PRO series is high-performance, expandable energy storage system. The modular and rack design allows for maximum flexibility, making them suitable for a broad range of storage applications. It can be connected Max 15 units in parallel to get more energy capacity.



MSDS

ADVANTAGES-FEATURES



A-grade LiFePO4 Cells from Top 5 Brands



Cycle Life: ≥ 6000 Times @ 80% DoD



SOC Estimation, Intelligent Balance, Sleep and Wake-up Function



Compatible with Mainstream Inverters



Intelligent BMS, Automatic Restoration and Maintenance-free



Support GPS Positioning



Parallel Operation Up to Maximum 15 Units



10 Years Warranty, 15 Years Lifespan



Lifetime Technical Support



Technical Data

Model	R-PRO-51.2V50AH	R-PRO-24V100AH	R-PRO-51.2V100AH	R-PRO-24V200AH	R-PRO-51.2V200AH	R-PRO-51.2V280AH
Cell Type	LiFePO4					
Rated Capacity	50AH	100AH		200AH		280Ah
Minimum Capacity	46AH	96AH		196AH		276AH
Nominal Voltage	51.2V	25.6V	51.2V	25.6V	51.2V	51.2V
End-of-charge Voltage	58.0V	29.2V	58.0V	29.2V	58.0V	58.4V
End-of-discharge Voltage	40.0V	20.0V	40.0V	20.0V	40.0V	40.0V
MAX Charge Current	25A/50A	50A	50A/101A	200A		280A
MAX Continuous Discharge Current	50A	100A		150A/200A		140A
MAX Instantaneous Discharge Current	100A	100A		200A/300A		140A/280A
Overcurrent Protection	120A					160
Cycle Life	≥6000 Times & 80% DoD					
SOC estimation	YES					
Intelligent balance	Yes					
GPS positioning	Yes					
sleep and wake-up	Yes					
Protection Function	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage, Under-voltage, Over-high/low temperature					
Ingress Protection	IP 20					
Communication Protocol	RS485 / CAN / RS232 / BT (Optional)					
Operating Temperature	Charging: -20°C~65°C ; Discharging: -30°C~70°C					
Storage Temperature	-10°C~40°C					
Altitude	≤2000m					
Humidity	5%~95%(non-condensing)					
Cooling	Natural					
Cycle Life	≥6000 Times & 80% DoD					
Warranty	10 years					
Shell Material	Metal					
Size	442*400*90mm	485*320*130mm	422*450*134mm	485*450*130mm	442*680*134mn	485*638*260mm
Weight	Approx.29kg	Approx.26kg	Approx.46kg	Approx.47kg	Approx.92kg	Approx. 110kg
Certification	CE-EMC, UN38.3, MSDS, IEC					