

Rack Mounted Lithium Iron Battery

R-PRO-51.2V280AH



MSDS

ADVANTAGES-FEATURES



A-grade LiFePO4 Cells from Top 5 Brands



Cycle Life: ≥ 6000 Times @ 80% DoD



Support LED Screen



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-51.2V280AH
Cell Type	LiFePO4
Cell Nominal Capacity	280Ah
Scalability	Max.16pcs in parallel
Energy	14.336KWh
Nominal Voltage	51.2V
Operating Voltage Range	43.2V~57.6V
End-of-charge Voltage	58.4V
End-of-discharge Voltage	40.0V
Max. Charge/Discharge Current	280A
Continuous Charge/Discharge Current	140A
Acquisition Accuracy	Voltage accuracy:±10mV
	Current accuracy:±2%
	SOC accuracy:±5%
SOC Estimation	YES
Intelligent Balance	YES
GPS Positioning	YES
Sleep and Wake-up	YES
Protection	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage, Under-voltage, Over-high/low temperature
Ingress Protection Rating	IP20/IP65
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, 25°C/77°F, 80%DOD
Warranty	10 years
Shell Material	Metal
Size	485*638*260mm
Weight	Approx. 110kg
Certification	CE-EMC, UN38.3, MSDS, IEC, SONCAP