

Rack Mounted Lithium Iron Battery

R-PRO-51.2V280AH



- 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



MSDS



Technical Data

Model	R-PRO-51.2V280AH
Cell Type	LiFePO4
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: $\pm 10\text{mV}$
	Current accuracy: $\pm 2\%$
	SOC accuracy: $\pm 5\%$
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	IP 20
Communication Protocol	RS485 / CAN / RS232 / BT (Optional)
Operating Temperature	Charging: $-20^{\circ}\text{C}\sim 65^{\circ}\text{C}$; Discharging: $-30^{\circ}\text{C}\sim 70^{\circ}\text{C}$
Storage Temperature	$-10^{\circ}\text{C}\sim 40^{\circ}\text{C}$
Altitude	$\leq 2000\text{m}$
Humidity	5%~95%(non-condensing)
Cooling	Natural
Cycle Life	≥ 6000 Times @ 80% DoD
Warranty	10 years
Shell Material	Metal
Size	485*638*260mm
Weight	Approx. 110kg
Certification	CE-EMC, UN38.3, MSDS, IEC