



Seamless Power, Anytime: Your Ultimate Low Voltage Battery Storage Solutions.

Introducing the R1C0514 280Ah Low Voltage Battery: your compact and powerful energy solution. Weighing just 105kg with a 14.34kWh capacity, it ensures your essentials stay powered around the clock, even during grid failures.

Built with durable **Lithium Iron Phosphate (LiFePO₄)** chemistry, the R1C0514 delivers **over 8000 cycles** and comes with a **10-year warranty**. Its compact **800×485×225mm** design fits in any standard **19" rack**, and with an operating range of **0°C to 50°C**, it ensures reliable backup power when it matters most.



Built-in DC circuit breaker enables automatic protection



CAN and RS485 interfaces allow smart monitoring and control

R1C0514 Specs

Cell Chemistry	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	51.2VDC
Operating Voltage	44.8 - 57.6V DC
Rated Capacity	14.34kWh
Charge Nominal Power	0.5C
Discharge Nominal Power	0.5C
Cycle Life	>8000 Cycles at 100% DoD
Modules	Up to 16 in Parallel
Ambient Operating Temperature	0-50°C
Storage Duration	6 Months @ 25°C
Weight	105kg
Dimensions (LxDxH)	800 × 485 × 255mm
Communication	RS485 & CAN
Safety Features	Integrated DC Circuit Breaker Short Circuit Protection Over Voltage Protection Cell Undervoltage Protection Cell Overvoltage Protection Overtemperature Protection Cell Balancing Charge Limiting Differential Voltage Aerosol Fire Suppression
Warranty	10 years

CONTACT US



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