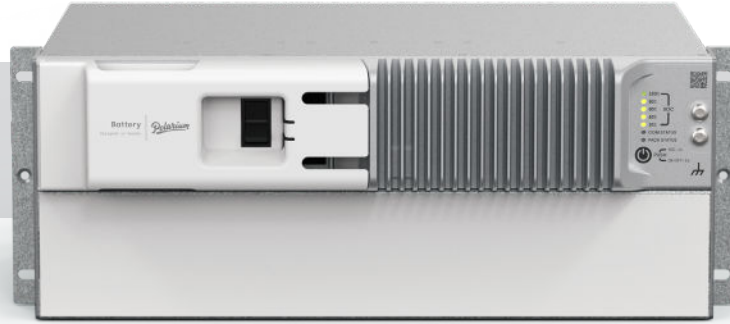




Battery 19" 4U / 250Ah

SLB48-250-147-2
14S Series, Generation 5



Polarium Battery is an advanced power backup system for telecom use. Its rechargeable smart lithium-ion battery provides reliable power backup for hybrid, off-grid and grid-connected telecom sites worldwide.

Safe

All our products are designed with your safety in mind - thoroughly verified and certified for safe operation.

Simple

Advanced technology made super easy to use. easy to install, maintenance free, charge control.

Strong

Works in all conditions and environments. Extra protection against dust and moisture for prolonged life.

Smart

Automatic balancing, automatic reconnect, remote monitoring options and much more.

Secure

Our unique, patented Anti-Theft Device disables function of batteries if removed from site. It's prepared for optional GPS tracker.

Sustainable

The lifetime is extraordinary long. It's small, light, maintenance free and can be remotely controlled.

PRLM-DS2501472-Rev 1.2

Technical Specification

Enclosure size	19" 4U
Lithium chemistry	Nickel-based
Rated voltage	48 V
Nominal voltage	50.4 V
Typical capacity	250 Ah
Typical energy	12600 Wh
Calendar life @ 80 %SOC	20 years
Peak Discharge Power	6 kW for 60 seconds
Discharge Cutoff Current	100 A
End-of-Discharge Voltage (LVBD)	35 V
Charge current limitation (CLD)	100 A
Charge voltage for 100 %SOC	58.8 V
Charge voltage for 80 %SOC	56.0 V
Operating temperature, charging	0 to +55 °C (32 to 131 °F)
Operating temperature, discharging	-20 to +60 °C (-4 to 140 °F)
Operating relative humidity	According to ETSI 300 019-1-3 class 3.2 (0-95%)
Storage temperature	-20 to +60 °C (-4 to 140 °F)
Weight	Approx. 76 Kg (167 lbs)
Dimensions mm (in")	W 440 D 625 H 173 (W 17.3" D 24.6" H 6.9")
Circuit breaker	100 A, BMS Controlled, single pole
IP class	IP20
Communication protocols	RS485, RJ45 (2) ports, Modbus
Safety standards	IEC62619, IEC62368, UN38.3
Management & monitoring	Software for PC (Studio). Included for full local monitoring and management. Remote connection via Modbus

*If the charge current is 100A or higher, the battery will automatically reduce the charge current to 6-12A temporarily
**Cut off when one cell reaches 2.5 V, 14 cells in series
Data subject to change without notice

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