



POWERQ
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PQLI48100C
51.20v 100A
lithuim Battery



Product Introduction

The PQLI48100C lithium battery by is a compact, lightweight unit designed for 19-inch rack mounting. It supports fast charging, offers long service life, and features an intelligent BMS with protections against overcharge, over-discharge, overcurrent, and temperature, along with data storage and charge limiting ideal for telecommunications backup power.

Product Features

- Excellent temperature performance
- Voltage, current, and temperature protection functions
- Long life (70% of the initial capacity after 2000 cycles at 40°C)
- Easy operation and maintenance, integrated BMS design, and self-management support

SPECIFICATIONS AND PARAMETERS

Parameter	Specificat on
Battery Type	LFP
Battery Module	16S1P
Rated Capacity	100Ah
Normal Voltage	51.20V
Weight	53kg ± 1Kg
Battery Dimensions (W × D × H)	441mm × 480mm × 176mm
Fast Charge Voltage	55.0V ± 0.3V
Float Charge Voltage	54.0V ± 0.3V
Maximum Load Current	100A
Discharge Limit Voltage	46.4V
Cycle Life	After 2000 cycles, capacity ≥70% @ 40°C
Design Life	10 Years
Operating Temperature	Charging: 0–50°C (15A–30A) Discharging: –20–60°C (100A) Storage: –10–35°C (–10°C–35°C)
Battery Management System (BMS)	SOC/ SOH/ short circuit alarm / short circuit protection / reverse polarity protect on / battery overvoltage, overdischarge, overtemperature protect on
Communication Interface	RS485
Self-discharge rate @ 25°C	<3% (30 days storage)
Safety Certificai on	UN38.3

CHARACTERISTICS



High Energy
Density



Long Cycle
Life



Low
Self-Discharge

PQLI48100C

51.20v 100A

Lithium Battery

For inquiries, orders, or technical support,
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