ecosolex

Opti L16 | IP65

16 kWh High-Capacity Energy Storage Battery

IP65 Waterproof · Compact Design · Top Choice for Whole-Home / Small Business Backup Power



*The battery base supports interchangeable feet or casters

1. Flexible Expansion

Supports up to 32 units in parallel, with a capacity range of 16.1 kWh to 515.2 kWh

2. Automatic Self-Heating

Operating temperature: -20°C to 55°C

3. Durable & Worry-Free, Cost-Effective Long-Term

Exceptional cost performance

4. Easy Installation

Flexible floor-mounted/wall-mounted installation, adaptable to different sites

5. Long-Term Reliability

Over 8000 cycles, 10-years warranty

6. Intelligent Management

Real-time battery status monitoring, system supervision, remote control, and OTA updates

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Optional:



Landing wheels

Technical Parameters

Model	RS-C51314F
Battery Type	$LiFePO_4$
Nominal Battery Energy	16.1 kWh
Usable Battery Energy	15.46 kWh
Nominal Capacity	314 Ah
Nominal Voltage	51.2 V
Operation Voltage Range	46.4 V ~ 56 V
Recommended Charge & Discharge C Rate	150 A
Max. Charge C Rate	200 A
Max. Discharge C Rate	230 A
Peak Discharge Current (25°C)	270 A @ 15 s
Recommended Charge & Discharge Power	7680 W
Max.Charge Power	10.24 kW
Max. Discharge Power	11.78 kW
Depth of Discharge (DOD)	96 %
Operation Temperature Range	Charge: −20 °C ~ +55 °C, Discharge: −20 °C ~ +55 °C
Net Weight	130 kg (net weight)
Dimension [W/D/H]	500 × 250 × 925 mm
Protection Level	IP65
Communication	CAN/RS485
Cycle Life	≥ 8000 cycles, @ 25 °C, @ 0.5C, @ 90 % DOD, @ 70 % EOL
User Interface	Wi-Fi + APP
Safety Protection	Built-in aerosol fire extinguisher
Installation	Floor-mounted / Wall-mounted
Regulating Wheel (4pcs)	1 kg, 80/80/80 (optional)
Expansion	Up to 32 units in parallel
Warranty Period [1]	10 years
Certification & Safety Standard	UN 38.3 / IEC 62619 / UL 1973 / UL 9540A
Compatible Inverters	Solis / Goodwe / Growatt / SMA / Victron / Deye / APsystem etc.

[1] Refer to Ecosolex Warranty Letter

*Product design and technical specifications are preliminary and subject to change. The brand reserves all rights of final interpretation.
This document is for reference only, and the officially released product shall prevail.

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