



RS-C51314F

IP65

16KWh 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



Flexible Expansion

Supports up to 32 units in parallel, with a capacity range of 16.1kWh to 514.45kWh



Automatic Self-Heating

Operating temperature: -20 °C to 55°C (optional)



Ultra Safety

Intelligent fire extinguishing system, built-in aerosol fire extinguisher



Easy Installation

Flexible floor-standing installation, adaptable to different sites



Long-Term Reliability

Over 8000 cycles, 10-years warranty



Intelligent Management

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

About Ecosolex

As a sub-brand of Shenzhen Topband Co.,Ltd., Ecosolex delivers advanced solar, storage, and charging solutions for residential, commercial, and industrial use. Backed by Topband's decades of expertise, over 2,000 research professionals, and more than 3,600 patents, we provide reliable, safe, and sustainable energy systems. With 13 global production and R&D bases, Ecosolex empowers customers worldwide to achieve energy independence and contribute to a greener, more sustainable future.

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Technical Parameters

Model	RS-C51314F (IP65)
Nominal voltage	51.2V
Nominal capacity	314Ah
Nominal energy	16.1kwh
Operation voltage range	46.4V~56V
Recommend charging current	150A
Max. charging current	200A
Recommend discharging current	150A
Max. discharging current	200A
Communication	RS485/CAN
Rating	IP65
Cycle life	≥8000 cycles, @25°C, @0.5C, @90%DOD, @70%EOL
Weight	130kg (net weight)
Size	498*250*812mm (19.61 x 9.84 x 32.00 inch)
Operation temperature range	Charge -20~50°C (-4~122°F), Discharge -20~60°C (-4~140°F)
Relative humidity	5%~90%, No condensation
Install altitude	≤4000m
Installation	Floor-standing and Wall-mounted
Fire Protection System	Built-in aerosol fire extinguisher
Maximum Parallel Modules	32
Warranty ^[1]	10 years
Regulating wheel (4pcs)	0.5kg, 86h mm(optional)
Top cover	2.5kg, 500/252/70 mm (optional)
Certifications	UL1973 / 9540A / IEC62619 / UN38.3 / CE
Compatible Inverters	Victron/SMA/Voltronic Power/Sol-Ark/Goodwe/Deye/Growatt/SAJ/Luxpower/Megarevo/Schneider/SRNE/Solis/Redx/Solplanet/hymiles/Phooos etc.

[1] Refer to Ecosolex Warranty Letter