

eFlex 5.4kWh LFP Battery by Fortress Power



Price: CAD \$5,999.00

SKU: FPEFLEX-54

Product Categories: [Batteries](#), [Lithium](#), [Multi-Use : 48V](#), [Residential ESS Units](#), [Shop](#)

Product Tags: [cabin](#), [canada](#), [eflex 5](#), [eflex 5.4](#), [eflex battery](#), [eflex canada](#), [fortress eflex 5.4 canada](#), [fortress power eflex](#), [home](#), [lfp](#), [lifepo4](#), [lithium](#), [lithium battery](#), [rv](#), [tiny](#)

Product Page:

<https://www.modernoutpost.com/product/eflex-5-4kwh-lfp-battery-by-fortress-power/>

Product Summary

The Fortress Power eFlex is a 5.4 kWh scalable energy storage solution based on safe and energy dense prismatic Lithium Iron Phosphate (LiFePO₄) cells. A very

popular battery solution for cabins, homes, tiny homes, RVs, and Vans. All the features you'd expect from a leading brand including: Advanced digital Battery Management System (BMS) including a high amperage disconnect, advanced Closed-Loop inverter communication, individual cell voltage monitoring, temperature monitoring, and cell balancing. It all adds up to maximum reliability and longevity.

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Canbus, modbus, and wifi communication enable internet-of-things compatibility. The IP65 case ensures direct water spray and dust will not penetrate the battery internals from all directions. The unit can be wall mounted, floor mounted, and server rack mounted for hard-to-reach access in renewable, marine, RV, mobile, telecom, railway applications and more.

eFlex Battery Key Features - Rugged, Long-lasting, Daily Use Battery - Safe Lithium Iron Phosphate Technology (LiFePO₄) - 98% Round Trip Efficiency - Flexible Mounting Options - Remote Monitoring including wifi, modbus, and canbus - BMS Monitors & Balances Individual Cells - NRTL certified to UL9540 and UL9540a standards

eFlex 5.4 Specifications In Brief

Model : eFlex 5.4

Total Energy(kWh) : 5.4

Max. Charge Current (Continuous) [A] : 100

Max. Discharge Current (Continuous) [A] : 60

Max. Pulse Current (for 5 sec) [A] : 130

Capacity [Ah] : 105

Voltage Range [V] : 48-55

Charging Temperature : 0 to 45C (32 to 113F)

Discharging Temperature : 0 to 60C (32 to 140F)

Storage Temperature : 0 to 35 (32 to 95F)

Dimension [L x W x H] : 54.6 x 44.5 x 18.3cm (21.5 x 17.5 x 7.2 inches)

Weight : 52.7kg / 116 lb

Life Cycles : 8,000 @ 80% DoD

Round Trip Efficiency : >98%

Datasheets

[eFlex Data Sheet](#) [eFlex SPANISH Data Sheet](#) [eFlex SPANISH Brochure](#)

Installation Guides / Warranty

[eFlex Owner / Installation Manual](#) [Inverter Guides](#) [Firmware](#) [Warranty](#)

Certifications

[UL9540 / UL1973 Certificate](#) [UL9540a Large Scale Fire Test Report](#)

Racking Details

[DuraRack Manual](#) [Flexrack Technical Notes](#) [Customer Server Rack Guide](#)

Product Attributes

- Dimensions: 25 × 20 × 12 cm
- Weight: 53 kg