



The Fortress Power eFlex is a 5.4 kWh scalable energy storage solution based on safe and energy dense prismatic Lithium Iron Phosphate cells. The digital processor Battery Management System (BMS) includes high amperage contactor disconnects and advanced Closed-Loop inverter communication, as well as individual cell voltage monitoring, temperature monitoring, and cell balancing to maximize reliability and longevity. 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!

- 98% Roundtrip efficiency
- High Durability and Long-Lasting
- Safe Lithium Iron Phosphate Technology (LiFeP04)
- Flexible mounting options

Electrical Specifications		
Nominal Voltage:	51.2V	
Nominal Capacity:	105AH	
Rated Capacity @ 0.5C (50A):	5.374 kWh	
Resistance:	<10 mΩ	
Efficiency (at 0.5C):	98%	
Self-Discharge:	<1 % / Month	
Maximum Allowed Modules in Parallel:	15	

Charge Specifications		
Recommended Charge Current:	<55A	
Maximum Charge Current:	100A	
Recommended Charge Voltage:	54.4V	
BMS Charge Voltage Disconnect:	>56V	

Discharge Specifications		
Recommended Continuous Discharge Rate:	60A (3KW DC)	
Peak Continuous Discharge Rate:	100A (5 KW 60 Min)	
Maximum Surge Power Rate:	130A (6.6 KW 5S)	
Recommended Low Voltage Disconnect:	48V	
Battery Low Voltage Protection:	<45V	
Battery recovery Voltage:	45V	

Temperature Specifications		
Discharge Temperature:	-4°F~131°F (-20°C ~ 55°C)	
Charge Temperature:	32°F ~ 114°F (0°C ~ 45°C)	
Storage Temperature:	20°F ~ 95°F (-6°C ~ 35°C)	

- Data communication with popular hybrid inverters
- Remote monitoring
- Advanced cell level monitoring and balancing
- Integrated heat sink for 5x better thermal performance

Mechanical Specifications		
Dimensions: (L*W*H)	21.5 x 23 x 17.5 x 7.3 inches 546 x 446 x 183 mm	
Weight:	108 lbs (49kg)	
Terminal Type:	M8	
Ring Terminal Size:	3/8ths or larger	
Terminal Torque:	7.0 – 7.7 Nm (5.1 – 5.7 ft-lb)	
Case Material:	Anodized Aluminum	
Enclosure Protection:	IP65	
Cell Type Chemistry:	Prismatic - LiFeP04	

Compliance Specifications:	
Certifications:	UL1973, UL1642
Shipping Classification:	UN 38.3 CLASS 9

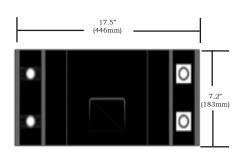
Basic Charging Profile		
Bulk + Absorb Charge	54.4V	
Absorb Time	60 minutes	
Float Charge	54V	
Inverter Charging	2 Stage / No Float	
Equalization	No equalization (typical) 54.6V for 10 seconds (rare)	
Temperature Compensation	None	

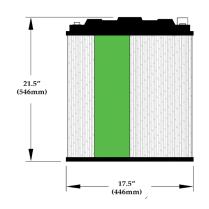


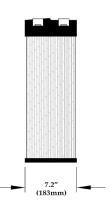












Accessories (Not Included)

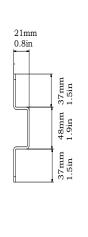
Wall Mount Kit

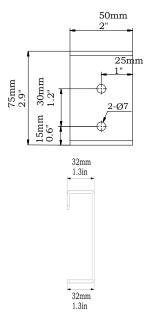
Wall Mount Bracket

4-R6

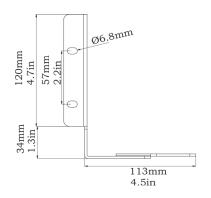
406.4mm 16in

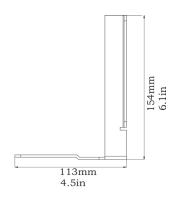
Wall Mount Hook

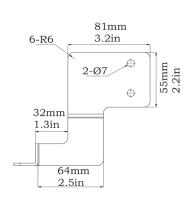




Server Rack Mount Kit







Scan for Installation Manual:

