

FPR 3HV

Modular Battery Energy Storage System

3.1 MWh - 1.5 MW – 1,500 VDC

30 ft x 7 ft x 9 ft



KEY FEATURES

Scalable and Site Optimized

- Safe & quiet urban power
- DC line backup for datacenters
- Back-to-back and end-to-end container arrangement for minimized footprint
- Scalable for larger multiunit installation
- Up to 20 Year Warranty

A Safe Patented Design Point

- LFP battery modules with high thermal stability
- Volume optimized container for explosion protection
- Liquid cooled battery packs with up to C/2 power capability
- Fire and Explosion protection utilizing dry sprinklers, clean agent, deflagration venting, cell to cell propagation protection and exhaust ventilation systems

Fully Certified

UN38.3, UN3536, ROHS, UL1973, UL9540/9540a, IEEE 693-2018 & NFPA855/68/69

Model: FES-C003-1500-3096K-1105-DC

FPR 3HV - 3 MWh DC



DC CONTAINER	
Model	FES-C003-1500-3096K-1105-DC
Battery Chemistry	LFP
System Configuration	8P432S
Rated Capacity	3.096 MWh
Rated Power	1.5 MW
Rated Voltage (Vdc)	1382.4 V
Voltage Range (Vdc)	1080-1500 V
Charge / Discharge Rating	1120 A / 1120 A @ 25°C
Life	Up to 20 years
GENERAL PARAMETERS	
Dimensions	8,980 mm (29.5 ft) * 2,100 mm (6.8 ft) * 2,750 mm (9.0 ft)
Weight	34 metric tons (75,000 lbs)
IP Level	IP54 / NEMA 3R
Operating Temperature (Ambient)	-30 °C to 45 °C
Cooling	Liquid cooling
Altitude	2,000 m (without derating)
Relative Humidity	5% to 95% (non-condensing)
Auxiliary Power Interface	480V/3P4W & 120V/1P3W
Communication Interface	Ethernet, RS485
Communication Protocol	Modbus-RTU, Modbus-TCP, CAN
Fire Suppression System	- Clean agent system (FK 5-1-12 Perfluorohexanone) - Dry-pipe water sprinkler system
Explosion Prevention	Gas detection with NFPA 69 explosion prevention
Sound Level	64 dB @ 1 m / 48 dB @ 10 m