



FPR-ESS-4244kWh-L-1500V



Safe and Reliable

- No parallel design, cluster-level isolation, multi-level linked protection
- Active ventilation, explosion-proof pressure relief

High Integration

- AC/DC integrated design & cabin design to save space
- Standard design, easy to disassemble, transport, and install

Simple Maintenance

- Modular design and plug-and-play solutions
- Cluster level active balance. SOC automatic correction

High Balance

- Precise control of temperature difference
- One-to-one control, eliminating inter-cluster circulation

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System Parameter	
Battery Cell Type	LFP/314Ah
Battery Configuration	11P384S
Battery Capacity at DC Side (BOL)	4,244kWh
Maximum C Rate / Discharge Duration	0.5C / 2 Hours - 4 Hours
Battery Rated Voltage	1,228.8V
Voltage Range	1,075.2~1,382.4V
Container Size (W*D*H)*	6,058*2,438*2,896mm (20*8*9.5ft)
Container Weight*	35 Tons
Container Color	RAL7035
IP Level	IP54
Anti-Corrosion	C4 Standard, C5 Optional
Operating Temperature Range	-30 °C ~50 °C (>45 °C derating) / -22 °F ~122 °F (>113 °F derating)
Relative Humidity	5%~95%
Highest Working Altitude	3,000m(>3,000m derating)
Temperature Control Method	Liquid Cooling
Fire Suppression System	Aerosol, Smoke, and Temperature Detector, Deflagration Panel, Dry Pipe Fire Sprinkler, Ventilation System with Combustible Gas Detection(Optional).
Communication Interface	Ethernet
Communication Protocol	ModbusTCP/IP, IEC61850, IEC104
Compliance Standards	UL9540A, UL9540, UL1973, NFPA855, NFPA68, NFPA69 (optional) UN38.3, FCC part15 B

* Subject to actual delivery

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