



# FPR-ESS-5015kWh-L-1500V



## Multi-level Safety Protection

- Multi-level short circuit protection at the pack, rack, and container levels
- Robust BMS and data algorithms ensure thermal stability at the pack, and rack levels
- Compliance with UL9540A, UL9540, UL1973, NFPA855, NFPA68, NFPA69 (optional) UN38.3, FCC part15 B

## Highly Integrated Design

- 314Ah battery cells integrated into an IP67 battery pack design
- Multi-level BMS monitoring and control at cell, pack, rack and container level
- Container front single-door-open design, supporting back to back layout

## Advanced Liquid Cooling System

- Advanced thermal design ensures a  $\leq 4^{\circ}\text{C}$  temperature difference at container level
- PID (Proportional-Integral-Derivative) control enables the system to adapt to varying conditions and reduces auxiliary power consumption

# FPR-ESS-5015kWh-L-1500V

System Parameter	
Battery Cell Type	LFP/314Ah
Battery Configuration	12P416S
Battery Capacity at DC Side (BOL)	5,015kWh
Maximum C Rate / Discharge Duration	0.5C / 2 Hours - 4 Hours
Battery Rated Voltage	1,331.2V
Voltage Range	1,164.8~1,497.6V
Container Size (W*D*H)*	6,058*2,438*2,896mm (20*8*9.5ft)
Container Weight*	40 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	Modbus TCP/IP, IEC61850, IEC104
Compliance Standards	UL9540A, UL9540, UL1973, NFPA855, NFPA68, NFPA69 (optional) UN38.3, FCC part15 B

\* Subject to ctual delivery

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