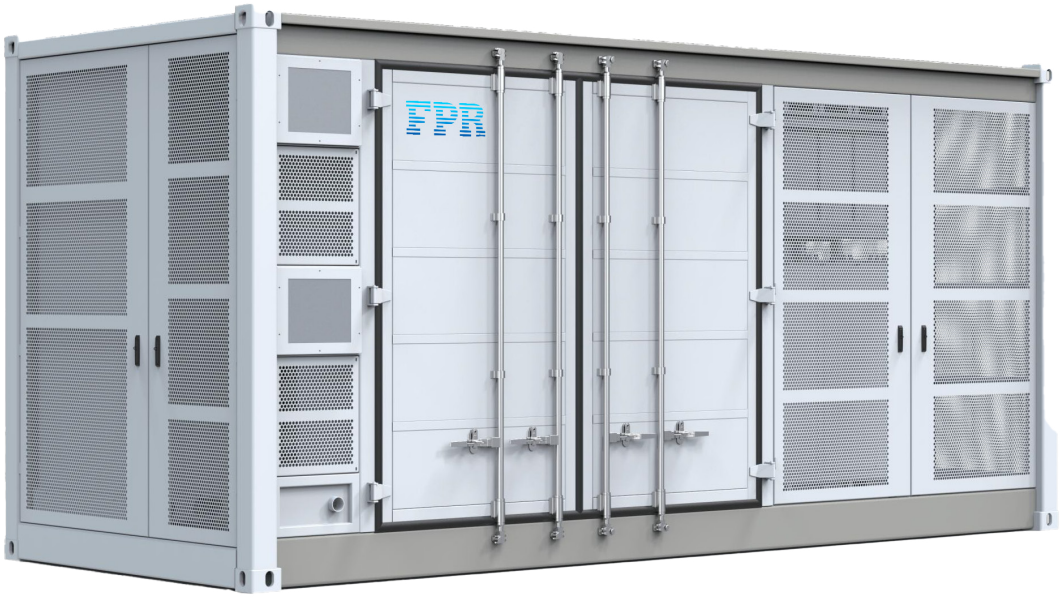
FPR-ESS-1000kW/2315kWh



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

FPR-ESS-1000kW/2315kWh

DC Parameters	
Battery Cell Type	6P384S
Battery Configuration	2,315kWh
Battery Capacity at DC Side (BOL)	1,228.8V
Maximum C Rate / Nominal Discharge Duration	0.5C / 2 Hours
Battery Rated Voltage	1,075V~1,382V
Battery Voltage Range	LFP/314Ah
Battery Cooling Method	Liquid Cooling
AC Parameters	
Rated Capacity	6*200kVA
PCS Module Quantity	8
PCS Cooling Method	Forced Air Cooling
Rated Voltage	AC 690V
Voltage Range	-15%~10%
Max. Current Harmonic Distortion Rate	<3% (at nominal power)
Power Factor	-1~1
Rated Frequency	60Hz
Transformer	
Isolation Mode	Dry-type Transformer
Transformer Rated Power	1,000kVA
Transformer Voltage Winding	0.69/0.48kV
General Parameters	
Container Size (W*H*D)*	6,058*2,438*2,896mm (20*8*9.5ft)
Container Weight *	28,000kg
IP Level	IP 54
Anti-Corrosion	C4 Standard, C5 Optional
Operating Temperature	-30°C~50°C(>45°C derating) / -22°F~122°F (>113°F derating)
Relative Humidity	5%~95%
Highest Working Altitude	3,000m
Fire Protection 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
Compliance Standard	UL1741-SB, UL9540A, UL1973, IEEE1547:2018, UN38.3, FCC part15 B

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