

FLEX 418

Liquid Cooling Outdoor Cabinet ESS

◆ Tier-1 LFP Cells

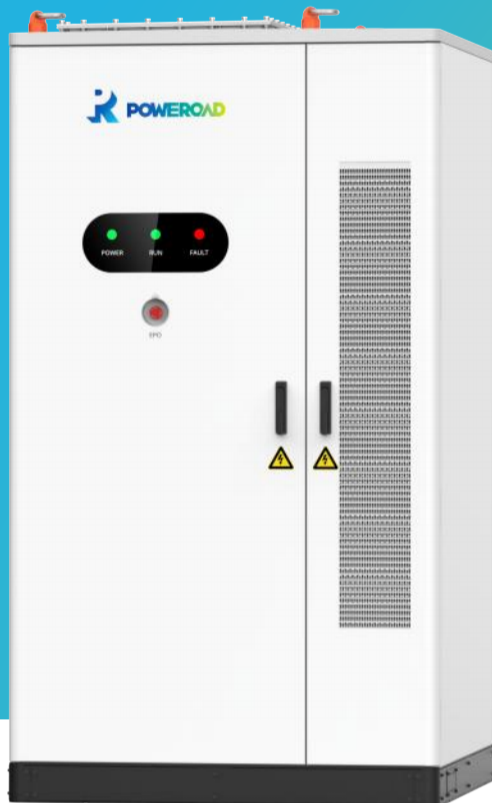
Sourcing from renowned cell suppliers to ensure superior cell consistency

⚙️ Intelligent Liquid Cooling

Cell temperature difference $\leq 3^{\circ}\text{C}$ across the entire cabinet

🏠 Modular Design

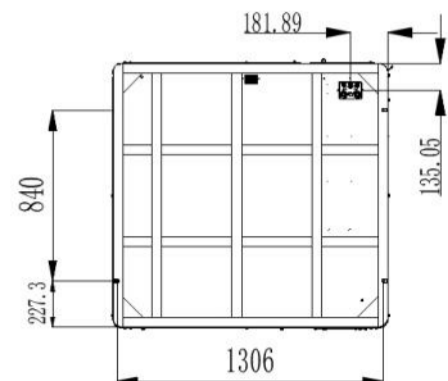
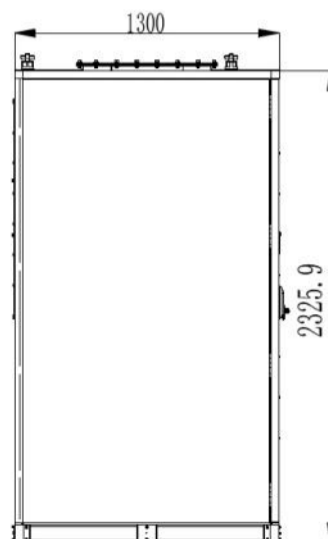
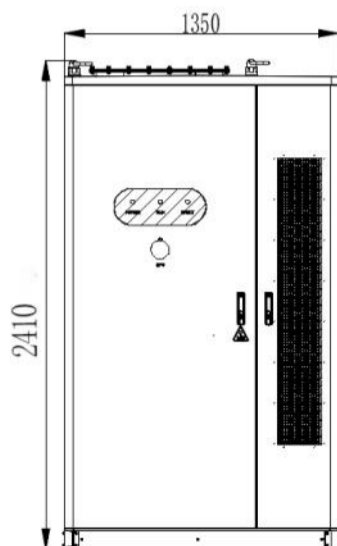
Supports multiple battery racks in parallel to meet expansion requirements



📁 Industry-leading Active Balancing BMS

❄️ -30°C to 50°C Operation Temperature

🔋 High Energy Density



FLEX-418 ESS PARAMETERS

DC Parameters	Rated Voltage	1331.2 V
	Voltage Range	1164.8 ~ 1497.6 V
	Rated Energy	417.992 kWh
	Charge / Discharge Rate	0.5P / 0.5P
	Battery Cell	LFP 314 Ah
Other Parameters	Degree of Protection	IP 55
	Operation Temperature	-30 ~ 50 °C
	Storage Temperature	-30 ~ 60 °C
	Altitude	< 2000 m
	Relative Humidity	5 ~ 95% (No Condensing)
	Cooling Method	Liquid Cooling
	Fire Suppression System	Aerosol
	Communication	MODBUS TCP/IP
	Dimensions (W×D×H)	1350 × 1300 × 2410 mm
	Weight	3650 kg
	Certifications	EN IEC 61000, EN 62477, IEC 62477, IEC 62619, UN38.3



Up to 10 battery units in parallel

*Please contact our technical team for 10 battery racks above configurations

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