

FLEX 261 AIO-3S*

All-in-one Liquid Cooling Outdoor Cabinet ESS

◆ Tier-1 LFP Cells

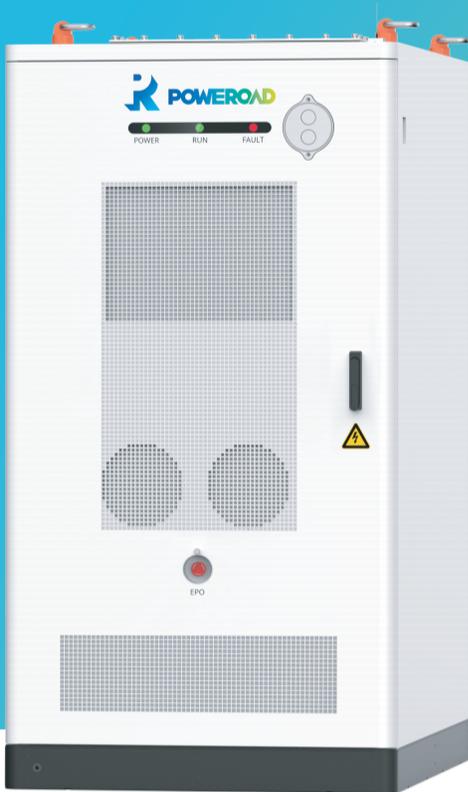
Sourcing from renowned cell suppliers to ensure superior cell consistency

⚙️ 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



❄️ **-30°C to 50°C Operation Temperature**

📊 **Active Balancing BMS**

🛡️ **High Energy Density**

📄 **Built-in PCS & PMS**

* PMS is a local controller of ESS, acts as a central hub, coordinating between the BMS, PCS and subsystems, provides the interface to external EMS.



PCS (BMS-PCS-PMS integrated version)



PMS



PCS



High-voltage Box
(BMS inside)

AIO-3S: Integrates high-voltage box (BMS inside) and PMS in one PCS module (both hardware and software)

FLEX 261 AIO-3S ESS PARAMETERS		
AC Parameters	Rated Power	130 kW
	Maximum Power	143 kW
	Grid Type	3P+N+PE
	Rated Grid Voltage	400 V
	Grid Frequency	50 / 60 Hz
	EMC & Safety Standards	EN IEC 61000, EN 62477, IEC 62477, IEC 62619, IEC 62933, IEC 63056
	Grid Connection Standards	EN 50549-1/-2, G99, VDE 4105, VDE 4110, C10/11, CEI 0-16, CEI 0-21
DC Parameters	Rated Voltage	832 V
	Voltage Range	728 ~ 936 V
	Rated Energy	261.245 kWh
	Battery Cell	LFP 314 Ah
Other Parameters	Degree of Protection	IP 55
	Operation Temperature	-30 ~ 50 °C (derating from 45°C)
	Storage Temperature	-30 ~ 60 °C
	Altitude	2000 m (>2000 m derating)
	Relative Humidity	5 ~ 95% (No Condensing)
	Cooling Method	Liquid Cooling
	Communication	MODBUS
	Dimensions (W × D × H)	1080 × 1450 × 2125 mm
Weight	2650 kg	



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