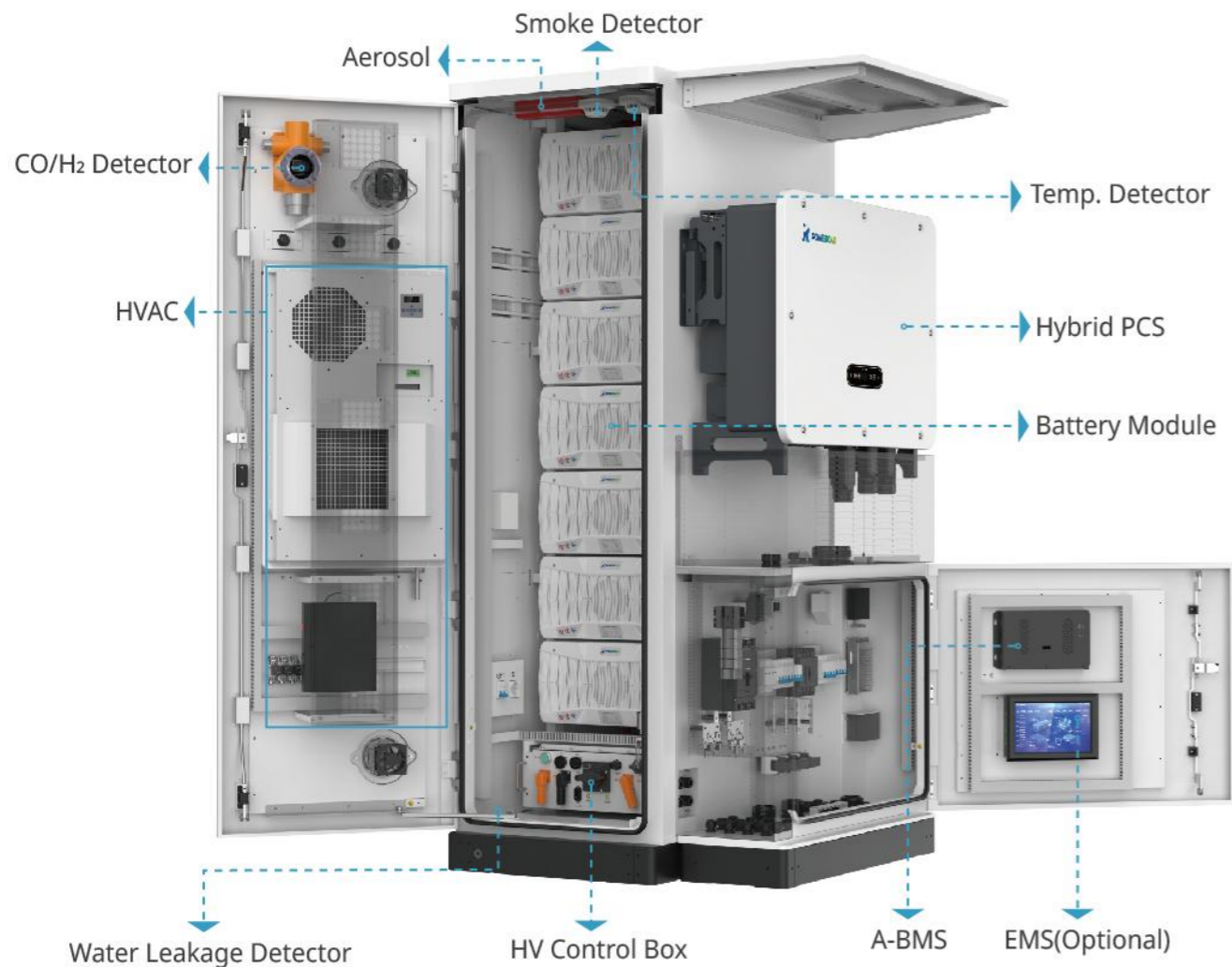


FLEX 112 AIOS*

All-in-one Air Cooling Outdoor Cabinet ESS



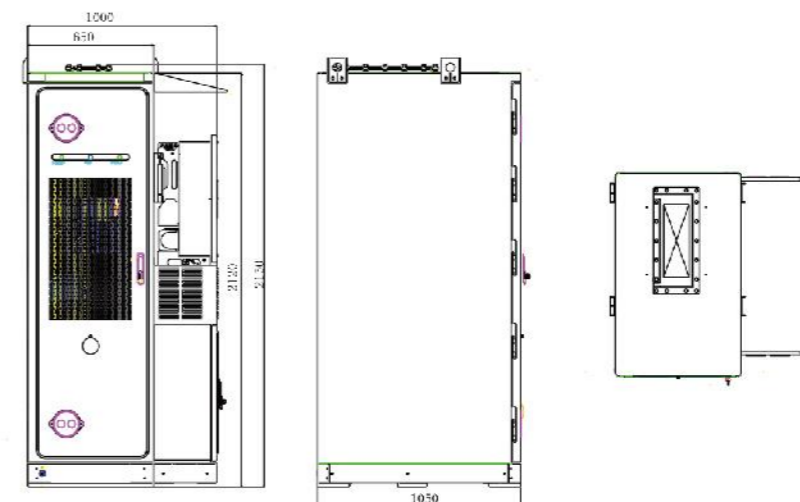
- Support PV access**
Integrated hybrid PCS supports direct PV string input for seamless DC-coupled PV + storage integration
- Active Balancing BMS**
Maximizes usable capacity & Extends battery life
- Suitable for Small-size C&I Scenarios**



AIOS*: "S" for Solar, All-in-one design supports PV access

PARAMETERS

FLEX 112 AIOS ESS PARAMETERS						
AC Parameters	Rated Power	25 kW	29.9 kW	30 kW	40 kW	50 kW
	Maximum Power	25 kW	29.9 kW	30 kW	40 kW	50 kW
	Grid Type	3P+N+PE				
	Rated Grid Voltage	400 V				
	Grid Frequency	50 / 60 Hz				
	EMC & Safety Standards	IEC/EN 62477, EN/IEC 61000				
	Grid Connection Standards	EN 50549-1/-10, C10/11, NTS 631, NRS 097, VDE 4105, G99, PPDS				
DC Parameters	Rated Voltage	358.4 V				
	Voltage Range	313.6 ~ 403.2 V				
	Rated Energy	112.537 kWh				
	Battery Cell	LFP 314 Ah				
PV Parameters	Maximum Power	50 kW	60 kW	60 kW	80 kW	100 kW
	Rated Voltage	620 V				
	Startup Voltage	135 V				
	MPPT Operating Voltage Range	200 ~ 950 V				
	Number of MPPT Inputs	4				
	PV Strings per MPPT	2 / 2 / 2 / 2				
	Maximum Current per MPPT	40 A / 40 A / 40 A / 40 A				
Other Parameters	Degree of Protection	IP55				
	Operation Temperature	-20 ~ 45 °C				
	Storage Temperature	-30 ~ 60 °C				
	Altitude	2000 m (>2000m derating)				
	Relative Humidity	5 ~ 95% (No Condensing)				
	Cooling Method	Air Cooling				
	Fire Suppression System	Smoke & Gas Detectors, Aerosol, Vent Valve, Explosion Relief Panel, Water Sprinkler, Temperature detector				
	Communication	MODBUS				
	Dimensions (W x D x H)	1000 × 1050 × 2150 mm (±3mm)				
	Weight	1300 kg				



Unit: mm