

FLEX 112 AIOS*

All-in-one Air Cooling Outdoor Cabinet ESS



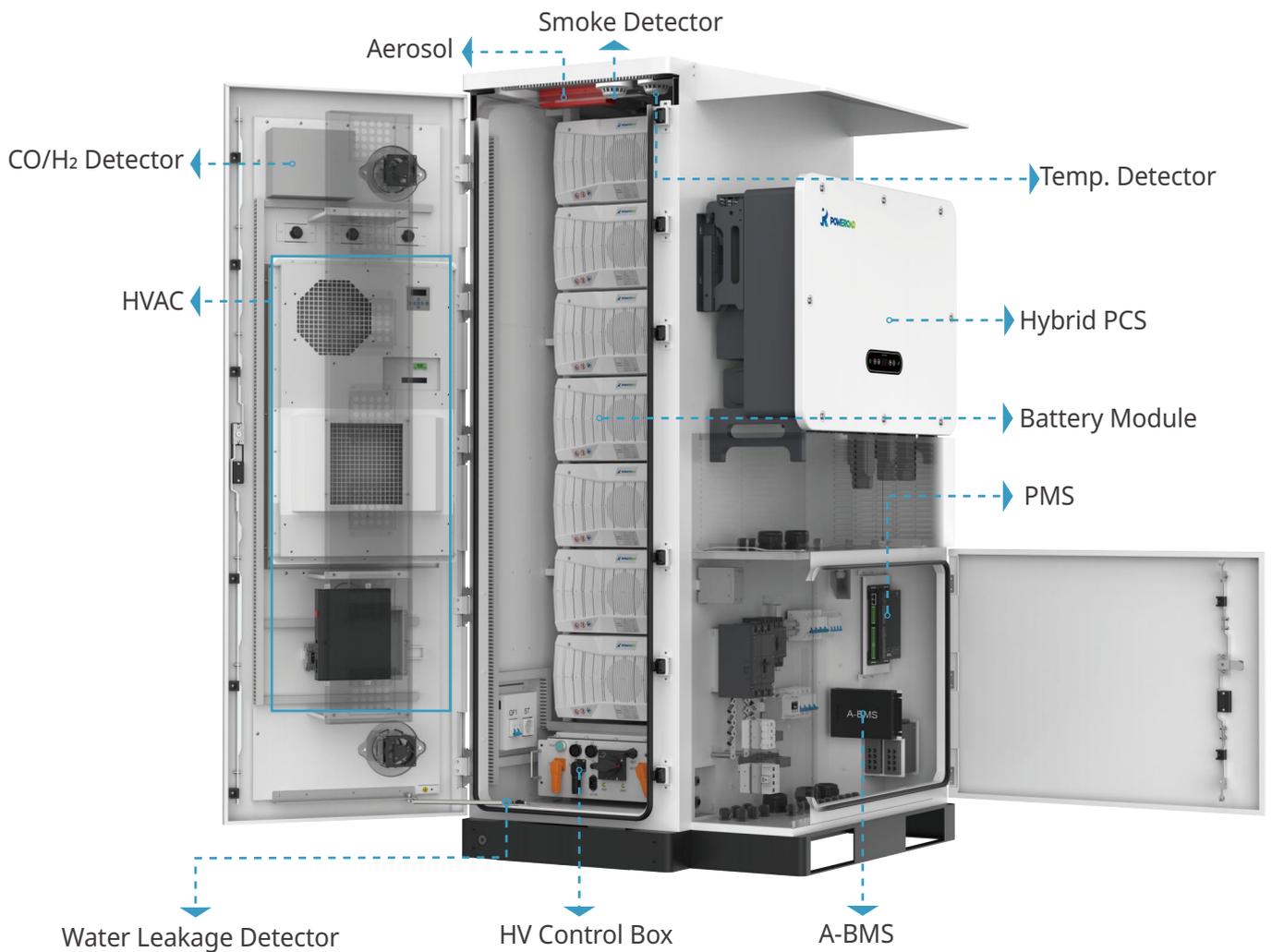
Support PV access

Integrated hybrid PCS supports direct PV string input for seamless DC-coupled PV + storage integration

Active Balancing BMS

Maximizes usable capacity & Extends battery life

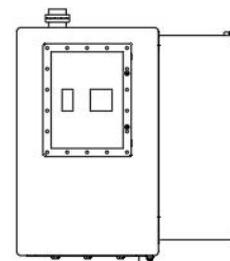
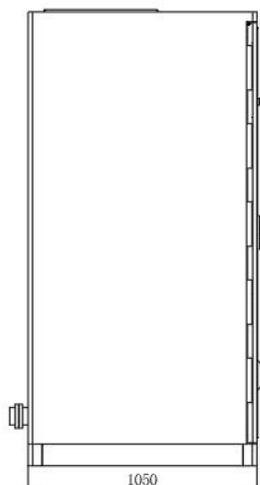
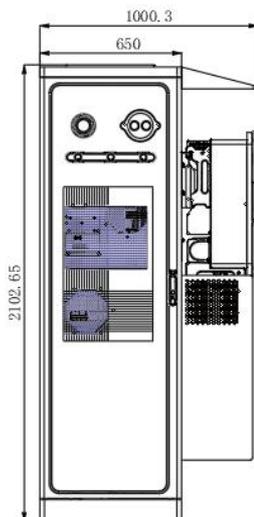
Suitable for Small-size C&I Scenarios



*AIOS: All-in-one system supports PV panels connected in or connects to existing PVsystem. ("S" stands for Solar)

FLEX 112 AIOS ESS PARAMETERS

AC Parameters	Rated Power	50 kW
	Maximum Power	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 kWh
	Battery Cell	LFP 314 Ah
PV Parameters	Maximum Power	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 × 2100 mm (±3mm)
	Weight	1100 kg



Unit: mm