

FLEX 112 AIOS*

All-in-one Air Cooling Outdoor Cabinet ESS



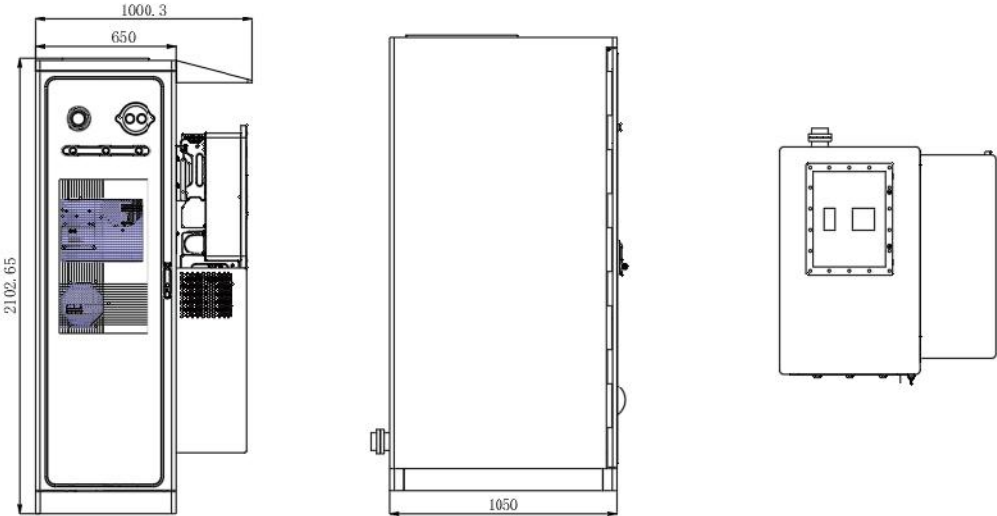
-  **Support PV access**
Integrated hybrid PCS supports direct PV string input for seamless DC-coupled PV + storage integration
-  **Active Balancing BMS**
Maximizes usable capacity & Extends battery life
-  **Suitable for Small-size C&I Scenarios**



- Max. 40 A**
PV Input Current Per String
- Up to 8**
PV String Inputs
- 1.05 m²**
Footprint (with PCS)

PARAMETERS

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	131.6 ~ 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
	Communication	MODBUS
	Dimensions (W x D x H)	1000 × 1050 × 2103 mm (including PCS)
	Weight	1100 kg



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

Unit: mm