

FLEX 215 AIOS *

All-in-one Air Cooling Outdoor Cabinet ESS



- Support PV Access**
Integrated with battery, MPPT module, PCS and EMS, designed for PV-ESS / PV-ESS-Charger application
- Comprehensive Protection**
Multiple sensors, Aerosol and pressure & explosion vent
- Active Balancing BMS**
Maximizes usable capacity & Extends battery life



PARAMETERS / CONFIGURATION

FLEX 215 AIOS ESS PARAMETERS		
AC Parameters	Rated Power	105 kW
	Maximum Power	115 kW
	Grid Type	3P+N+PE / 3P+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/-2, G99, VDE 4105, NRS 097, C10/11, NTS 631, VDE 4110
DC Parameters	Rated Voltage	768 V
	Voltage Range	672 ~ 864 V
	Rated Energy	215.04 kWh
	Battery Cell	LFP 280 Ah
PV Parameters	Rated power	50 / 100 / 150
	MPPT Number	1 / 2 / 3
	Max. Current (PV side)	300 / 550 A
	PV Side Voltage	300 ~ 720 V
Other Parameters	Degree of Protection	IP 55
	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
	Communication	MODBUS
	Dimensions (W × D × H)	1600 × 1000 × 2240 mm
	Weight	2700 kg

FLEX 215 AIOS ESS Configuration Suggestion		
Battery Capacity (kWh)	PCS Power (kW)	Number of Cabinet
215	105	1
430	210	2
645	315	3
860	420	4
1075	525	5
1290	630	6
1505	735	7
1720	840	8
1935	945	9
2150	1050	10

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