

All-in-one Air Cooling Outdoor Cabinet ESS

Highly Reliable

- Multi-level BMS architecture with an excellent protective mechanism
- Subsystems are well-suited to a wide range of application scenarios
- Features good environmental adaptability with IP55 protection class and built-in HVAC system
- Real-time data monitoring and comprehensive data life cycle recording

Highly Integrated

- High power density in a tiny package
- Integrated transportation and simplified on-site construction
- Built-in local controller for easier management
- Built-in fire protection system with safe and secure

Highly Intelligent

- SOC self-correction algorithm
- Efficient two-way passive equalization
- A monitoring platform is available for data visualization / big data analytics / reporting statistics
- Remote upgrading and numerous connection channels are supported

Highly Flexibility

- Complete module design and configuration as needed
- Support forklift handling and crane operation
- On-demand configuration and flexible expansion



Residential



Small Commercial



Farm



Charging Station



Island

Specification

Items/Configuration		FLEX 215 AIO
AC Parameters	Rated Power	100 kW
	Maximum Power	110 kW
	Grid Type	3P+N+PE
	Rated Grid Voltage	400 V
	THDi	≤ 5%
	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
DC Parameters	Rated Voltage	768 V
	Voltage Range	648 V ~ 864 V
	Rated Energy	215 kWh
Other Parameters	Degree of Protection	IP 55
	Operation Temperature	-20 ~ 45 °C
	Storage Temperature	-30 ~ 60 °C
	Altitude	≤ 2000 m
	Relative Humidity	≤ 95% (No condensing)
	Cooling Method	Air cooling
	Fire Suppression System	Aerosol
	Communication	MODBUS
	Dimensions (W × D × H)	1600 x 1140 x 2240 mm
	Weight	2.3 t
	Certifications	CE-EMC, CE-LVD, IEC 62619, IEC 63056, CEI-016, UN38.3, CEI-021

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