

Pion Power™

Pion Power Air Cooling BESS

Product Features

- 5kW wall-mounted AC and built-in fans ensure consistent cooling and battery protection.
- EMS-enabled real-time monitoring with on-site control pad and remote access.
- Controls temperature, voltage, current, and built-in protection functions.
- Scalable via parallel connection; every 5 units integrated under EMS.
- Pre-assembled design allows fast, easy installation and reduced maintenance.
- Operates reliably in -30°C to 55°C conditions.
- IP55-rated for outdoor protection against dust, rain, and sand.
- UL certified for safe and compliant energy storage.
- Audio-visual alarms provide real-time warnings for abnormal conditions.
- Automatic fire suppression system activates for enhanced safety.



Model

XES-295FB-UL

AC side

Grid Voltage (Vac)	480V (-15%~10%)
Rated Power (kW)	125
Wire Connecting Method	Three-phase three-wire
Rated Grid Frequency (Hz)	60
Isolation	N/A

DC side

Cell	LFP,3.2V /280Ah
Battery Configuration	(1P22S)15S
Rated Energy (kWh)	295
Nominal Voltage (V)	1056
Voltage Range (V)	825~1204.5
Charge & Discharge Rate	0.5P
Life Cycle (25°C,80%SOH)	≥6000 times

General Parameter

Cabinets in Parallel	5
Cooling Method	Air cooling
Fire Suppression	Aerosol
Dimension (WxHxD)	1600*2400*1300mm (estimated)
Weight (t)	< 3.3
Storage Temperature	-20~45°C (one month) / 0~35°C (three months)
Operating Temperature	-30~55°C
Ambient Humidity	0 ~ 95%RH (no condensation)
Operating Altitude	2000m(> 2000m derating)
Noise	≤75dB
Enclosure	IP55
Corrosion-proof	C3 (C4/C5 optional)
Communication Protocol	Modbus TCP/RTU, CAN2.0, IEC 61850