

Air Cooled Energy Storage System



- Flexible deployment, Parallel expansion, independent operation on/off grid
- Smart energy management, Refined management of all batteries
- Active and passive dual fire warning, PACK & Full container fire protection
- PV, ESS, and mains power strategy fully automatic intelligent operation

The integrated system solution meets the requirements of photovoltaic distribution and storage, grid connected/ off grid photovoltaic storage, and other different projects. Featuring high efficiency and energy conservation, high energy density, and small installation space, it is composed of industrial and commercial energy storage systems, inverters, intelligent control cabinets, EMS, and electrical safety auxiliary systems.

ESS specifications	100kW/215kWh
ESS Battery DC voltage	768VDC
ESS Battery voltage range	636-846VDC
Cell type	LFP 3.2V/280Ah
Single PACK configuration	51.2V280Ah / 1P16S
Number of system PACKs	15PCS
Total system power consumption	240S1P/215kWh
PCS power	100kW
Charge discharge rate	≥0.5C
Discharge depth & Battery life	90%DOD >6000Times(0.5C@25°C)Energy retention rate ≥80%
Thermal management method	Intelligent air cooling
Fire Protection Plan	PACK aerosol /Cabinet aerosol+Perfluorohexane
Communication method	CAN/Eth/RS485(4G Optional)
Operating mode	On/off grid
Rated power	100kW
Rated grid voltage	380V AC
Rated grid frequency	50/60Hz ±5Hz
Access method	Communication bottom inlet / 3phase / 3L+N+PE
NO. of grid connected ESS	15 PCS
Temperature for use	0°C~+50°C
Environmental humidity for use	0~95%CRH
Storage temperature	-20°C~+60°C
Working altitude	2000m (>2000m Reduced usage)
Protection grade	IP54
Product size	1550*1295*2186mm
Product weight	2800kg