

Evolution

EVO-P3-100-FHV215

AOI C&I air cooling energy storage system



Product Features



Peak cut

The system can realize peak clipping and valley filling, peak regulation and frequency regulation, realize smooth output of new energy sources such as photovoltaic and wind energy, and maintain the stability of the power grid.



Safe and reliable

Pack+ system + shell insulation, triple fire protection design, independent relay protection, cell-level thermal monitoring, single-point fault physical isolation, significantly improve system safety



Intelligent

Smart management and cloud connectivity support multi scenario mode applications such as microgrids and industrial and commercial applications



All in one Design

Single cabinet integrated battery, PACK, battery management system/PCS/thermal management system/fire protection system in one, the system is highly integrated

System Parameters

Model	EVO-P3-100-FHV215
Specifications	
Maximum system efficiency	89%
Charge and discharge ratio	0.5P
Cooling method	Air cooling
Work environment	-20 ~ +55°C
Relative humidity	0%-95% , RH
Elevation	≤2000m
Size (W*D*H)	1750*1215*2340mm
Fire fighting system	Aerosol extinguishing device
Weight	≤2.7t
IP rating	IP54
Cycle life	≥6000@25°C 0.5C/0.5C, 90%DOD , 70%EOL
Communication interface	RS485 / Ethernet
Communication protocol	Modbus / 61850
Design standards	IEC/EN62619 , IEC/EN62477 , IEC/EN61000 , UL/IEC60730 IEC61000 , EN 62109 , EN62109 , EN62477 UN38.3
Warranty	5Years
Designed life	10 Years
DC side cell cluster parameter	
Battery specification	LFP280Ah
Rated voltage	768V (25°C±2°C)
DC side voltage range	600~876V
Rated electric quantity	215.04kWh
AC side parameter	
Output Power	100kW
Rated voltage	AC400V
AC output	Three-phase three-wire / three-phase four-wire
Frequency	50Hz/60Hz
Total harmonic current distortion	≤3%(Full load)
Power factor	-0.99~+0.99
DCDC parameter (optional)	
Rated power	50kW
PV voltage range	0~900V
PV current	I _{max} =100A
The number of MPPT routes	1
Short circuit	273A