

Salt spray proof design

Anti-corrosion- fire-proof-  
dustproof and shock-proof

Energy storage system series

Low Voltage Distribution -  
Areacommercial and  
industrial ESS  
30kW/30kWh

## Product features:

### Simple & flexible

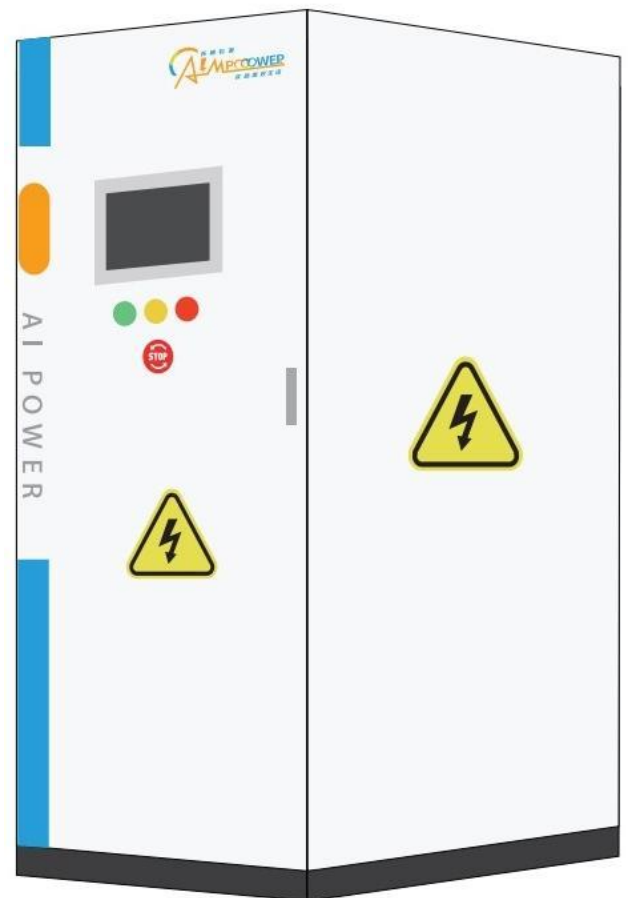
- Standardized design, easy to expand and maintain;
- Independent air duct design, more stable operation;

### Safe & reliable

- Support battery management system and comprehensive thermal management;
- Perfect fault hierarchical protection mechanism;

### Abundant configuration

- Diversified selection of equipment capacity; Can be integrated with monitoring system;



## Technical specifications

AI-ES30	
<b>DC side data</b>	
Battery capacity (kWh)	34.56
Number of battery racks	6
BMS communication interface	CAN /RS485
DC voltage range (V)	201-262
<b>AC side data</b>	
Rated AC power(kW)	15
Max. AC power(kW)	18
Rated AC current(A)	22
Max. AC current(A)	26
DC current component	<0.5%
Off-grid voltage deviation	amplitude $\leq 5\%$ , phase $< 3^\circ$
Rated voltage(V)	400
Allowable voltage range(V)	340 ~ 440
Rated grid frequency(Hz)	50/60
Voltage regulation accuracy and voltage ripple	$\leq 2\%$
Power factor	0.9hysteresis ~ 0.9exceed
Isolation method	No isolation
<b>general data</b>	
Class of protection	IP54
Fire extinguishing system	Perfluoro(2-Methy-3-Pentanone)
Running time (full power)	2h
Operating temperature	-20°C ~55°C
Dimension W*D*H (mm)	800*800*1600
Weight (T)	0.6
BMS communication	RS485,CAN
EMS communication	RS485,TCP/IP
PCS cooling way	Temperature controlled intelligent air cooling
Battery cooling way	Air conditioning refrigeration
Altitude	4500m( > 3000mPower reduction)
Relative humidity	0~95%non-condensing