

YJC-EES-H-A-86kWh / 107.5kWh / 129kWh

AIR-COOLED OUTDOOR BATTERY ENERGY STORAGE CABINET

Is designed as a single battery cabinet with a modular design approach for easy to be transported, installed and maintained. It consists of one-stop integration of battery module, BMS,fire protection system, and temperature control system. The high-performance, high-multiplier storage-grade lithium iron phosphate batteries used in the product, intelligent BMS design and safety protection effectively enhance safety and reliability.

Outdoor battery storage cabinets can be directly connected with PCS, Provides standard CAN protocol and Modbus RTU protocol, and can be controlled by external controllers.Outdoor battery storage cabinets support the parallel use of multiple units.

- DC output
- 0.5C rate charge/discharge
- Compact modular design
- Combustible gas detection
- Separate air duct design
- PACK double bolt insulation installation
- IP55 grade,suitable for outdoor



EES-AC	YJC-EES-H-A-86kWh	YJC-EES-H-A-107.5kWh	YJC-EES-H-A-129kWh
Battery Spec			
Battery Type	LiFePO4		
Cell capacity	280Ah		
Rated current	140A		
Max current	160A		
PACK configuration	1P24S		
PACK number	4 PACK/Cluster	5 PACK/Cluster	6 PACK/Cluster
Voltage range	278.4 ~ 345.6Vdc	348 ~ 432Vdc	417.6 ~ 518.4Vdc
Rated voltage	307.2Vdc	384Vdc	460.8Vdc
Rated Energy	86kWh	107.5kWh	129kWh
AC (Grid side) Configurable			
Rated power	40kW	40kW	50kW
Rated grid current	60.8A/57.7A	60.8A/57.7A	76A/72.7A
Max current	121.6A/115.4A	121.6A/115.4A	152A/144.4A
Rated grid voltage	3/N/PE,220/380V;3/N/PE,230V/400V		
Connection	3/N/PE		
Rated grid frequency	50Hz/60Hz		
Power factor	0.8(Leading-edge)~0.8(hysteresis)		
THDi	<3%(Nominal Power)		
AC(Back-up) Configurable			
Rated power	40kVA	40kVA	50kVA
Rated grid current	60.8A/57.7A	60.8A/57.7A	76A/72.7A
Rated grid voltage	3/N/PE,220/380V;3/N/PE,230V/400V		
Connection	3/N/PE		
Rated grid frequency	50Hz/60Hz		
Carrying capacity	100%		
THDV	<3%(Linear Load)		
Input DC (PV side) Configurable			
Recommended max	80kW	80kW	100kW
Max input current	40A*4	40A*4	40A*4
Max short circuit current	60A*4	60A*4	60A*4
Max input voltage	1000Vdc	1000Vdc	1000Vdc
voltage range	150~850Vdc	150~850Vdc	150~850Vdc
Start-up voltage	180Vdc	180Vdc	180Vdc
MPPT number	4	4	4
System Parameters			
Mass(kg)	1300±100kg	1500±100kg	1700±100kg
Dimensions (W×H× D)	850/1200/2100mm		
Max efficiency	≥84%(TBD)		
Air conditioning power	2kW(Cooling capacity),1kW(The generated heat)		
Operation temperature	-20~60℃(>45℃Reduce Amount)		
Operation range	0~95%RH(Freezing is absent.)		
IP level	IP55		
Anti-corrosion	C3&C5		
Cooling concept	Intelligent fan-cooling		
Noise	≤70dB(TBD)		
Max operation altitude	3000m(>2000mReduce Amount)		
Display	TBD		
Fire Protection	Aerosol (optionally full perfluoroketone)		
Communication	Ethernet/4G/RS485		
Certification & Safety Standard	/		