

YJC-EES-H-R-30kW/107.52kWh / YJC-EES-H-R-50kW/125.44kWh

INTELLIGENCE STORAGE REFRIGERATION INTEGRATED CABINET

107.52kWh/125.44kWh

IS A COMPACT PLUG-AND-PLAY BATTERY ENERGY STORAGE SYSTEM THAT INTEGRATES PCS, BATTERY, BMS, EMS, MPPT, AUTOMATIC FIRE PROTECTION SYSTEM, AND TEMPERATURE CONTROL SYSTEM. IT IS EASY TO TRANSPORT, INSTALL, AND MAINTAIN. IT USES HIGH-PERFORMANCE LITHIUM IRON PHOSPHATE BATTERIES AND PROVIDES FOUR LAYERS OF SAFETY PROTECTION THROUGH INTELLIGENT BMS DESIGN, ENSURING HIGH SAFETY AND RELIABILITY OF THE SYSTEM. THE SYNERGISTIC EFFECT OF SYSTEM COMPONENTS AND UNIQUE DESIGN ENABLE EFFECTIVE CHARGING AND DISCHARGING FOR VARIOUS APPLICATIONS, RESULTING IN HIGH ENERGY DENSITY AND MAXIMIZED BATTERY LIFESPAN, THUS PROVIDING LOWER LCOS. THE SYSTEM SUPPORTS BOTH AC AND DC COUPLING APPLICATIONS, MAKING IT EASY TO INTEGRATE AND SUITABLE FOR VARIOUS COMMERCIAL AND INDUSTRIAL ENERGY STORAGE PROJECTS.

PLUG-AND-PLAY MODULAR DESIGN
SUPPORT UP TO 60 UNITS IN PARALLEL
LOAD BALANCING
SUPPORT FOR PHOTOVOLTAIC ACCESS
OPTIONAL MPPT
VPP VIRTUAL POWER PLANT
IP55 PROTECTION LEVEL,
SUITABLE FOR OUTDOOR USE
REMOTE INTELLIGENT MONITORING
2 YEARS PRODUCT WARRANTY,
5 YEARS PERFORMANCE WARRANTY



Model	YJC-EES-H-R-30kW/107.52kWh	YJC-EES-H-R-50kW/125.44kWh
BATTERY PARAMETERS		
Battery cell model	LiFePO4-280Ah	
Module model	IP20S	
PACK number	6PACK/Cluster	7PACK/Cluster
Battery capacity range	107.52kWh	125.44kWh
AC ON-GRID SIDE PARAMETERS		
Grid connection type	3P4W	
Charging/discharging power	30kW	50kW
Rated grid voltage	AC400V	
Grid voltage range	±15%	
Frequency range	50±5Hz	
Rated AC output current	43A	72A
Power factor	0.8(Leading) ~ 0.8(Lagging)	
Harmonics	≤3%(at rated power)	
ACOFF-GRID SIDE PARAMETERS		
Grid connection type	3P4W+PE	
Rated output power	30kW	50kW
Frequency	50±0.2Hz	
Voltage accuracy	1%	
GENERAL PARAMETERS		
Dimensions(W*H*D)	1400mm*2100mm*1230mm	
Packing size(W*H*D)	1600mm*2244mm*1500mm	
Maximum weight	About 1660kg	
Degree of protection	IP55 (Battery Cabinet) IP34 (Electrical Cabinet)	
Cooling method type	Battery Cabinet (air conditioner) & Electrical Cabinet (forced air cooling)	
Fire fighting system	FM200 automatic fire extinguishing	
Altitude**	< 2000m	
Operating temperature*	-20℃ ~ 60℃	
Noise level	≤75dB	
Communication interface	RS485, Ethernet	
Communication protocol	Modbus RTU, Modbus TCP/IP	
PV SIDE PARAMETERS(OPTIONAL)		
Maximum PV input power	30kW/60kW	30kW/60kW/90kW/120kW
MPPT voltage range	200V-850V	
Number of PV inputs	1/1	1/1/2/2
Maximum input current	100A/200A	100A/200A/300A/400A
Certifications	System:UN3480; Battery:IEC62619,UL1973,UL1642,UL9540A; PACK:IEC62619,UN38.3; PCS:IEC62477, EN50549,VDE4105,G99 by ENA,AS4777.2	

* The system will be derated when the ambient temperature exceeds 45℃. ** The system will be derated when the altitude is between 2000 and 3000m.