

YJC-EES-H-R-30KW/143.36KWH / 50KW/179.2KWH / 100KW/215KWH

INTELLIGENCE STORAGE
REFRIGERATION
INTEGRATED CABINET

143.36kWh/179.2kWh/215kWh

Up to 60 units can be connected in parallel
Supports DC coupling (photovoltaic)
Installed and applied in many countries around the world
Full certification including CE, GB/T36558, G99, UN3480, UKCA, MSDS, etc., with a four-layer safety protection design to enhance safety and reliability
System response time <100MS, meeting the needs of power auxiliary services
Optional photovoltaic, diesel generator, and other power sources
Supports multiple parallel expansions to achieve higher power capacity levels
Modular design, minimal and fast maintenance and operation, improving system availability.

Business & Government Building
Peak-valley Time-of-use Electricity Price Arbitrage for Cost Savings! Grid Auxiliary Services
Integrated Photovoltaic, Storage and Charging Stations for Self-generation and Self-consumption |
Peak-valley Management for Cost Savings and Environmental Friendliness
Malls, Hospitals, Hotels, etc. - Peak-shaving | Demand Response to Improve Power Quality and
Time-of-use Electricity Price Arbitrage
Photovoltaic Microgrid Backup Power | Self-generation and Self-consumption
of Distributed Energy Comprehensive Utilization to Address Power Grid Upgrade Challenges



Model	YJC-EES-H-R-30kW/143.36kWh	YJC-EES-H-R-50kW/179.2kWh	YJC-EES-H-R-100kW/215kWh
DC SIDE PARAMETERS			
Cell type	LFP-280Ah		
Module model	IP20S		
PACK number	8PACK/Cluster	10PACK/Cluster	12PACK/Cluster
Battery capacity range	143.36kWh	179.2kWh	215kWh
ACON-GRID SIDE PARAMETERS			
Grid connection type	3P4W		
Charging/discharging power	30kW	50kW	100kW
Rated grid voltage	AC400V±15%		
Frequency range	45Hz~55Hz		
Rated AC output current	43A	72A	144A
Power factor	0.8(Leading) ~ 0.8(Lagging)		
Harmonics	≤3%(at rated power)		
AC OFF-GRID SIDE PARAMETERS			
Load type	3P4W		
Rated output power	30kW	50kW	100kW
Rated output voltage	AC400V±1%		
Rated output frequency	50Hz		
Rated current	43A	72A	144A
Frequency accuracy	0.2Hz		
GENERAL PARAMETERS			
Dimensions(W*H*D)	1900mm*2100mm*1330mm		
Packing size(W*H*D)	2100mm*2244mm*1500mm		
Maximum weight	2500kg		
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		
Anti-corrosion grade	C3&C5		
Relative humidity	0-95%(non-condensing)		
Operating temperature*	-20℃~60℃		
Altitude**	<2000m		
Noise level	≤75dB		
Communication interface	RS485,Ethernet		
Communication protocol	Modbus RTU,Modbus TCP/IP		
PV SIDE PARAMETERS(OPTIONAL)			
MaximumPVinput power	30kW/60kW	30kW/60kW/90kW/120kW	30kW/60kW/90kW/120kW
MPPT voltage range	200V-850V	200V-850V	200V-850V
Number of MPPTs	1/1	1/1/2/2	1/1/2/2
Number of PV inputs	1/1	1/1/2/2	1/1/2/2
Maximuminput current	100A/200A	100A/200A/300A/400A	100A/200A/300A/400A
Certifications	CE(IEC61000,IEC62619,IEC62477),UN3480,UN38.3,MSDS Converter:UK G99,VDE4105,EN50549 Cell:IEC62619,UL1973,UL1642,UL9540A		

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