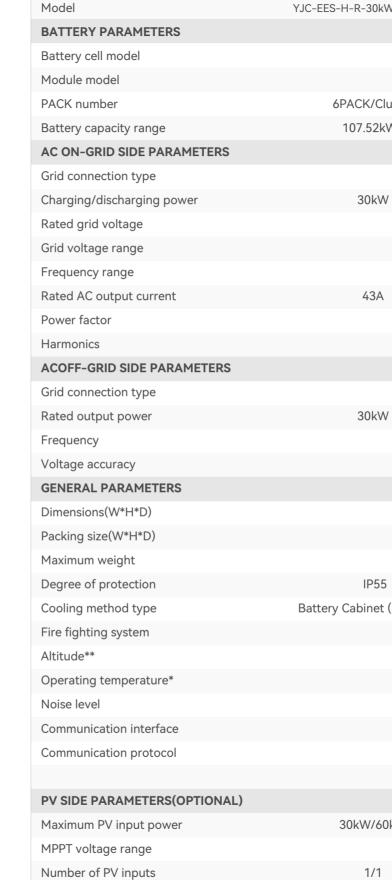
## YJC-EES-H-R-30kW/107.52kWh / YJC-EES-H-R-50kW/125.44kWh INTELLIGENCE STORAGE REFRIGERATION **INTEGRATED CABINET**

## 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 RELI-ABILITY OF THE SYSTEM. THE SYNERGISTIC EFFECT OF SYSTEM COMPONENTS EFFECTIVE CHARGING AND DISCHARGING FOR VARIOUS APPLICATIONS, RESULT AND MAXIMIZED BATTERY LIFESPAN, THUS PROVIDING LOWER LCOS. THE SYSTE AND UNIQUE DESIGN ENABLE NG IN HIGH ENERGY DENSITY SUPPORTS BOTH AC AND DC COUPLING APPLICATIONS, MAKING IT EASY TO INTEGRATE AND SUITABLE INDUSTRIAL ENERGY STORAGE PROJECTS.

UUC POWER

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	3P4	4W		
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°C ~ 60°C			
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		619,UL1973,UL1642,UL9540A; EN50549,VDE4105,G99 by ENA,AS4777.2		

\* 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.

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//1	07.52kWh	

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