

LiFePO4 BATTERY

ALL IN ONE ENERGY STORAGE SYSTEM

YJC-HES-L-A-5kW/(5.12kWh/10.24kWh/15.36kWh/20.48kWh)

- Safe**

Cobalt-Free LiFePO4, Battery is safe, lasts and runs longer. High Energy density and comprehensive protection.
- Reliable**

High current smart BMS, high efficiency discharge power, natural cooling, working temperature range from -20°C to 60°C.
- Flexible**

Fast charging. Modular design, easily install. (Up to Parallel 32 Batteries)
- Eco-Friendly**

Eco-friendly materials, non-toxic and non-polluting.
- Smart**

Automatic networking and IP addressing, easy maintenance. Smart APP remote mo-nitoring and upgrading.



MODEL	YJC-HES-L-A-5kW/5.12kWh		YJC-HES-L-A-5kW/10.24kWh		YJC-HES-L-A-5kW/15.36kWh		YJC-HES-L-A-5kW/20.48kWh	
Rated power	5000VA/5000W							
INTERNAL BATTERY								
Lithium battery specifications	100AH/51.2V							
Battery Energy	5.12kWh		10.24kWh		15.36kWh		20.48kWh	
Maximum charging current(A)	100							
MPPT INPUT								
Maximum allowable access string Power (W)	7500							
Maximum DC voltage(V)	500							
MPPT voltage range(V)	80-450							
Rated voltage(V)	385							
Starting voltage(V)	100							
Maximum DC current(A)	22							
Number of MPPT routes	1							
Number of MPPT groups per route	1							
POWER GRID INPUT								
Maximum output power(W)	10000							
Maximum input current(A)	55							
Rated input voltage(V)	220/230/240Vac(Optional)							
Rated input frequency(Hz)	50/60Hz(Optional)							
THDi	<3%(Linear load)							
Power factor	1.0							
INVERTER OUTPUT								
Maximum output power(W)	5000							
Rated frequency(Hz)	50/60Hz(Optional)							
Maximum output current(A)	23							
Environmental temperature range	-10 ~ 55℃(>40℃ Load reduction or derating)							
IP level	IP21							
Cooling-down method	Forced air cooling							
Display mode	LCD hold/APP							
Number of parallel machines	6							
Communication interface	RS232/RS485/CAN							
Combination method	16S1P*4 LiFePO4							
RATED CAPACITY								
Typical	100Ah 0.2C,@25℃		200Ah 0.2C,@25℃		300Ah 0.2C,@25℃		400Ah 0.2C,@25℃	
Minimum	98Ah 0.2C,@25℃		196Ah 0.2C,@25℃		294Ah 0.2C,@25℃		392Ah 0.2C,@25℃	
Rated Voltage	51.2V							
Factory SOC	30~60%							
Discharge Cut-off Voltage	40V							
Charging mode (CC-CV)	MAX 58.2V							
Limiting Charge current	20A(Software opening)							
Maximum Charge Current	100A							
Maximum Discharge Curren	100A							
Operation Temperature Range	Charge:0~50℃ Discharge:-20~60℃ Bare Cell:60±25%R.H							
Dimensions	550*380*475mm		550*380*700mm		550*380*925mm		550*380*1150mm	
Weight	66kg		113kg		160kg		207kg	
Communication mode	RS485/CAN							