

LiFePO4 BATTERY

ALL IN ONE ENERGY STORAGE SYSTEM

YJC-HES-L-A-3kW/(5.12kWh/10.24kWh/15.36kWh)

- 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.

YJC POWER

MODEL	YJC-HES-L-A-3kW/5.12kWh	YJC-HES-L-A-3kW/10.24kWh	YJC-HES-L-A-3kW/15.36kWh
Rated power	3000VA/3000W		
INTERNAL BATTERY			
Lithium battery specifications	100AH/51.2V		
Battery Energy	5.12kWh	10.24kWh	15.36kWh
Maximum charging current(A)	50		
MPPT INPUT			
Maximum allowable access string Power (W)	4500		
Maximum DC voltage(V)	500		
MPPT voltage range(V)	80-450		
Rated voltage(V)	385		
Starting voltage(V)	100		
Maximum DC current(A)	18		
Number of MPPT routes	1		
Number of MPPT groups per route	1		
POWER GRID INPUT			
Maximum output power(W)	5000		
Maximum input current(A)	21.5		
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)	3000		
Rated frequency(Hz)	50/60Hz(Optional)		
Maximum output current(A)	13.7		
Environmental temperature range	-10 ~ 55°C(>40°C 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*1 LiFePO4	16S1P*2 LiFePO4	16S1P*3 LiFePO4
RATED CAPACITY			
Typical	100Ah 0.2C,@25°C	200Ah 0.2C,@25°C	300Ah 0.2C,@25°C
Minimum	98Ah 0.2C,@25°C	196Ah 0.2C,@25°C	294Ah 0.2C,@25°C
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°C	Discharge:-20~60°C	Bare Cell:60±25%R.H
Dimensions	550*380*475mm	550*380*700mm	550*380*925mm
Weight	63kg	110kg	157kg
Communication mode	RS485/CAN		