

RV AND YACHT ENERGY STORAGE BATTERY SYSTEM

Let everyone have unique clean energy

YJC POWER

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YJC Technology Co., Ltd.

LiFePO4 BATTERY

RV AND YACHT ENERGY STORAGE BATTERY SYSTEM

12.8V20Ah / 12.8V50Ah
12.8V100Ah / 12.8V150Ah

LIFE SPAN 10 YEARS
3000 CYCLES



ModelYJC-LB-L-P-12.8V20Ah-SE

Pictures



ELECTRICAL CHARACTERISTICS

Nominal Voltage	12.8V
Nominal Capacity	20Ah
Energy	256Wh
Internal Resistance	≤20mΩ
Cycle Life	3000 cycles
Months Self Discharge	<3%
Efficiency of Discharge	100% @0.5C
Parallel support	Support 4 parallel
Series function	Support 4 strings

STANDARD CHARGE

Charge cut-off Voltage	14.6V
Charge Mode	0.33C to 14.6V,then 14.6V,charge current to 0.05C(CC/CV)
Charge Current	0.33C
Max. Charge Current	1C

STANDARD DISCHARGE

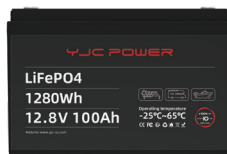
Continuous Current	1C
Discharge Cut-off Voltage	10V

ENVIRONMENTAL

Charge Temperature	0℃ to 55℃ (32°F to 131°F) @60±25% Relative Humidity
Discharge Temperature	-20℃ to 60℃ (-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	> 1month 0 ~ 35℃ (32 ~ 95°F) , ≤1month -20 ~ 45℃ (-4°F to 113°F)
IP level	IP65

MECHANICAL

Plastic Case	ABS
Dimensions (mm)	197±3mm x 134±3mm x 170±3mm
Weight(kg)	≈2.7kg
APP/Bluetooth/Heating	Optional

Model	YJC-LB-L-P-12.8V50Ah-SE		YJC-LB-L-P-12.8V100Ah-SE		YJC-LB-L-P-12.8V150Ah-SE	
Pictures						
ELECTRICAL CHARACTERISTICS						
Nominal Voltage	12.8V		12.8V		12.8V	
Nominal Capacity	50Ah		100Ah		150Ah	
Energy	640Wh		1280Wh		1920Wh	
Internal Resistance	≤ 20mΩ		≤10mΩ		≤20mΩ	
Cycle Life	3000 cycles		3000 cycles		3000 cycles	
Months Self Discharge	<3%		<3%		<3%	
COMMUNICATION MODE						
Bluetooth	Bluetooth APP		Bluetooth APP		Bluetooth APP	
STANDARD CHARGE						
Charge Voltage	14.6V		14.6V		14.6V	
Charge Mode	1C to 14.6V,then 14.6V,charge current to 0.05C(CC/CV)		0.5C to 14.6V,then 14.6V,charge current to 0.05C(CC/CV)		0.5C to 14.6V,then 14.6V,charge current to 0.05C(CC/CV)	
Charge Current	25A		50A		30A	
Max. Charge Current	50A		100A		150A	
STANDARD DISCHARGE						
Continuous Current	50A		100A		150A	
Max. Pulse Current	150A(MAX 3S)		300A(MAX 3S)		150A(MAX 3S)	
Discharge Cut-off Voltage	10V		10V		10V	
ENVIRONMENTAL						
Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity					
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity					
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)					
IP level	IP65					
MECHANICAL						
Plastic Case	ABS		ABS		ABS	
Dimensions (mm)	198±3mm x 168±3mm x 166±3mm		329±3mm x 173±3mm x 215±3mm		329±3mm x 173±3mm x 215±3mm	
Weight(kg)	≈6Kg		≈10Kg		≈14Kg	
APP/Bluetooth/Heating	Optional		Optional		Optional	

LiFePO4 BATTERY

RV AND YACHT ENERGY
STORAGE BATTERY SYSTEM

12.8V200Ah / 12.8V300Ah / 12.8V500Ah

LIFE SPAN 10 YEARS
3000 CYCLES



Model	YJC-LB-L-P-12.8V200Ah-SE
Pictures	
ELECTRICAL CHARACTERISTICS	
Nominal Voltage	12.8V
Nominal Capacity	200Ah
Energy	2560Wh
Internal Resistance	≤10mΩ
Cycle Life	3000 cycles
Months Self Discharge	<3%
Efficiency of Discharge	≥100% @0.5C
COMMUNICATION MODE	
Bluetooth	Bluetooth APP connection
STANDARD CHARGE	
Charge Voltage	14.6V
Charge Mode	0.25C to 14.6V,then 14.6V,chargecurrent to 0.05C(CC/CV)
Charge Current	50A
Max. Charge Current	50A
STANDARD DISCHARGE	
Continuous Current	200A
Discharge Cut-off Voltage	10V
ENVIRONMENTAL	
Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)
IP level	IP65
MECHANICAL	
Plastic Case	ABS
Dimensions (mm)	770±3mm x 285±3mm x 82±3mm
Weight(kg)	≈30Kg
APP/Bluetooth/Heating	Optional

Model	YJC-LB-L-P-12.8V300Ah-SE			YJC-LB-L-S-12.8V500Ah-SE		
Pictures						
ELECTRICAL CHARACTERISTICS						
Nominal Voltage	12.8V			12.8V		
Nominal Capacity	300Ah			500Ah		
Energy	3840Wh			6400Wh		
Internal Resistance	≤3mΩ			≤10mΩ		
Cycle Life	3000 cycles			3000 cycles		
Months Self Discharge	<3%			<3%		
COMMUNICATION MODE						
Bluetooth				Bluetooth antenna		
STANDARD CHARGE						
Charge Voltage	14.4V			14.4V		
Charge Mode	0.5C to 14.4V,then 14.4V,charge current to 0.05C(CC/CV)			0.5C to 14.4V,then 14.4V,charge current to 0.05C(CC/CV)		
Charge Current	100A			200A		
Max. Charge Current	200A			200A		
STANDARD DISCHARGE						
Low temperature charging heating function	Posses 90W 5°C/H			Posses 175W 5°C/H		
Continuous Current	200A			250A		
Max. Pulse Current	390A(5s)			300A(MAX 10S)		
Discharge Cut-off Voltage	11.2V			10V		
ENVIRONMENTAL						
Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity					
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity					
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)					
IP level	IP65					
MECHANICAL						
Plastic Case	ABS			SPCC		
Dimensions (mm)	522±3mm x 240±3mm x 219±3mm			355±3mm x 350±3mm x 198±3mm		
Weight(kg)	≈27.5kg			≈50kg		
APP/Bluetooth/Heating	Optional			Optional		

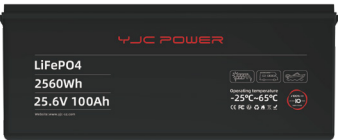
LiFePO4 BATTERY

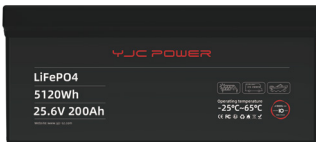
RV AND YACHT ENERGY STORAGE BATTERY SYSTEM

25.6V100Ah / 25.6V200Ah / 51.2V100Ah

LIFE SPAN 10 YEARS
3000 CYCLES



Model	YJC-LB-L-P-25.6V100Ah-SE		
Pictures			
ELECTRICAL CHARACTERISTICS			
Nominal Voltage			25.6V
Nominal Capacity			100Ah
Energy			2560Wh
Internal Resistance			≤20mΩ
Cycle Life			3000 cycles
Months Self Discharge			<3%
Efficiency of Discharge			96~99% @0.5C
Parallel support			
STANDARD CHARGE			
Charge cut-off Voltage			28.8V±0.2V
Charge Mode	0.5C to 28.8V,then 28.8V,charge current to 0.02C(CC/CV)		
Charge Current			0.5C
Max. Charge Current			1C
STANDARD DISCHARGE			
Continuous Current			1C
Max. Pulse Current			3C(MAX 10S)
Discharge Cut-off Voltage			20V
ENVIRONMENTAL			
Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity		
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity		
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)		
IP level			IP65
MECHANICAL			
Plastic Case			ABS
Dimensions (mm)	522±3mm x 238±3mm x 218±3mm		
Weight(kg)			≈21Kg
APP/Bluetooth/Heating			Optional

Model	YJC-LB-L-P-25.6V200Ah-SE		
Pictures			
ELECTRICAL CHARACTERISTICS			
Nominal Voltage	25.6V		
Nominal Capacity	200Ah		
Energy	5120Wh		
Internal Resistance	≤20mΩ		
Cycle Life	3000 cycles		
Months Self Discharge	<3%		
Efficiency of Discharge	≥100% @0.5C		
Parallel support	Supports a maximum of 8 parallel		
STANDARD CHARGE			
Charge cut-off Voltage	9.2V		
Charge Mode	50A to 29.2V,then 29.2V,charge current to 10A(CC/CV)		
Charge Current	50A		
Max. Charge Current	50A		
STANDARD DISCHARGE			
Discharge current	50A		
Maximum continuous discharge current	100A		
Discharge Cut-off Voltage	22V		
ENVIRONMENTAL			
Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity		
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity		
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)		
IP level	IP65		
MECHANICAL			
Plastic Case	ABS (HB)		
Dimensions (mm)	522±3mm x 268±3mm x 221±3mm		
Weight(kg)	≈40Kg		
APP/Bluetooth/Heating	Optional		

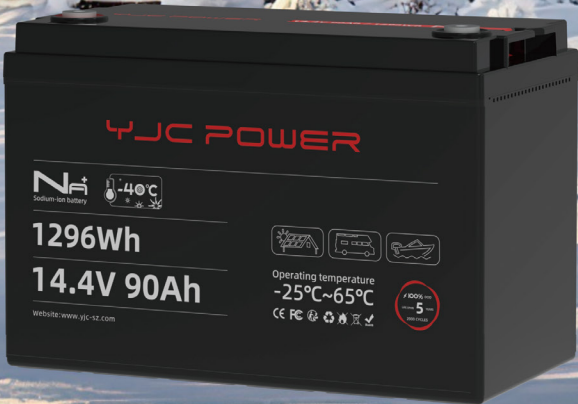
Model	YJC-LB-L-P-51.2V100Ah-SE		
Pictures			
ELECTRICAL CHARACTERISTICS			
Nominal Voltage	51.2V		
Nominal Capacity	100Ah		
Energy	5120Wh		
Internal Resistance	≤20mΩ		
Cycle Life	3000 cycles		
Months Self Discharge	<3%		
Efficiency of Discharge	≥100% @0.5C		
Parallel support	Supports a maximum of 8 parallel		
STANDARD CHARGE			
Charge cut-off Voltage	58.4V		
Charge Mode	0.5C to 58.4V,then 58.4V,charge current to 0.05C(CC/CV)		
Charge Current	50A		
Max. Charge Current	50A		
STANDARD DISCHARGE			
Discharge current	50A		
Maximum continuous discharge current	100A		
Discharge Cut-off Voltage	40V		
ENVIRONMENTAL			
Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity		
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity		
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)		
IP level	IP65		
MECHANICAL			
Plastic Case	ABS		
Dimensions (mm)	522±3mm x 268±3mm x 221±3mm		
Weight(kg)	≈40Kg		
APP/Bluetooth/Heating	Optional		

Na⁺ Sodium-ion battery

RV AND YACHT ENERGY STORAGE BATTERY SYSTEM

14.4V90Ah 1296Wh

LIFE SPAN 5 YEARS
2000 CYCLES



ELECTRICAL CHARACTERISTICS

Nominal Voltage	14.4V	Cycle Life	2000 cycles
Nominal Capacity	90Ah	Months Self Discharge	<3%
Energy	1296Wh	Efficiency of Discharge	≥100% @0.5C
Internal Resistance	≤20mΩ		

STANDARD CHARGE

Charge Voltage	16.8V
Charge Mode	0.5C to 16.8V, then 16.8V, charge current to 0.02C(CC/CV)
Charge Current	45A
Max. Charge Current	90A

STANDARD DISCHARGE

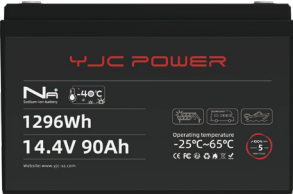
Continuous Current	90A
Discharge Cut-off Voltage	10.4V

MECHANICAL

Plastic Case	ABS
Dimensions	330±3mm X 172±3mm X 235±3mm
Weight	14Kg
APP/Bluetooth/Heating	Optional

ENVIRONMENTAL

Charge Temperature	0 °C to 55 °C (32°F to 131°F) @60±25% Relative Humidity
Discharge Temperature	-40 °C to 60 °C (-104°F to 140°F) @60±25% Relative Humidity
Storage Temperature	> 1month 0 ~ 35°C (32 ~ 95°F) , ≤1month -20 ~ 45°C (-4°F to 113°F)
IP level	IP65



LiFePO4 BATTERY

PORTABLE ENERGY STORAGE BATTERY

YJC-PBM-1200W/960Wh

OUTDOOR CAMPING

PHOTOGRAPHY SHOO

SHORT-DISTANCE DRIVING

EMERGENCY BACKUP

Model	YJC-PBM-1200W/960Wh
Pictures	 
INVERTER	
Input under voltage protection	20V±0.5V
No load power consumption	20W
The output voltage	225V±10%
Output frequency	50Hz±2Hz
Rated Output Power(AC)	1200W
Full load efficiency	≥85%
Output overload protection	≥103%
Output short circuit protection	Yes
Load adaptability	Capacitive load of 40% rated power, inductive load of 60% rated power, resistive load of 100% rated power
Ripple noise	≤300mVp-p
Output overcurrent protection	4.0A±0.5A
Full load efficiency	≥89%
Output short circuit protection	Yes
USB1 OUTPUT	
The output voltage	5V±5%
Ripple noise	≤300mVp-p
Output rated current	1.0A
Output over current protection	1.5A±0.5A
Full load efficiency	≥89%
Output short circuit protection	Yes
USB2 OUTPUT	
The output voltage	5V±5%
Ripple noise	≤300mVp-p
Output rated current	2.0A
Output over current protection	2.5A±0.5A
Full load efficiency	≥89%
Output short circuit protection	Yes
Solar energy Input	
Input rated voltage	12V-75V
Input current range	12A (Max)
Input power	500W (Max)
Input over voltage	80V±3V
Input Under voltage Protection	10.5V-11.5V
MPPT efficiency	92%
DC OUTPUT	
No load consumes electrical current	≤50mA
The output voltage	15V±5%
Output rated current	15V/3A
Output overcurrent protection	3.5A±0.5A
Full load efficiency	≥95%
Output short circuit protection	Yes
DC INPUT	
Input rated voltage	25.5V±10%
Input power	250W(Max)
Input over voltage	30V±3V
Input Under voltage Protection	20V±3V
Input efficiency	85%
LITHIUM BATTERY	
Nominal Storage Capacity	947Wh
Rated voltage	25.6V
Operating VoltageRange	20V-29.2V
Max.Charging Current	37A
Max.Discharging Current	37A
Depth Of Discharge	80%

LiFePO4 BATTERY

PORTABLE ENERGY STORAGE BATTERY

YJC-PBM-1200W/1280WH

-  OUTDOOR CAMPING
-  PHOTOGRAPHY SHOO
-  SHORT-DISTANCE DRIVING
-  EMERGENCY BACKUP



Model	YJC-PBM-1200W/1280Wh	
Pictures	 	
INVERTER		
Input under voltage protection		20V±0.5V
No load power consumption		20W
The output voltage		230V±10%
Output frequency		50Hz±2Hz
Rated Output Power(AC)		1200W
Full load efficiency		≥85%
Output overload protection		≥103%
Output short circuit protection		Yes
Load adaptability	Capacitive load of 40% rated power, inductive load of 60% rated power, resistive load of 100% rated power	
TYPE-C1 & TYPE-C2 OUTPUT		
Output voltage	TYPE-C1 5V3A/9V3A/12V2.25A±5% / TYPE-C2 5V3A/9V3A/12V2.25A±5%	
Ripple noise		≤300mVp-p
Output overcurrent protection		4.0A±0.5A
Full load efficiency		≥89%
Output short circuit protection		Yes
QUICK CHARGE QC3.0 OUTPUT		
The output voltage		5V/9V/12V±5%
Ripple noise		≤300mVp-p
Output rated current		3A/2A/1.5A
Output over current protection	3.6A±0.5A/3A±0.5A/2.25A±0.5A	
Full load efficiency		≥89%
Output short circuit protection		Yes
USB2 OUTPUT		
The output voltage		5V±5%
Ripple noise		≤300mVp-p
Output rated current		2.4A
Output over current protection		3A±0.5A
Full load efficiency		≥89%
Output short circuit protection		Yes
CIGARETTE LIGHTER OUTPUT		
Output voltage		12V±5%
Output rated current		10A
Output over current protection		10.6A±0.5A
SOLAR ENERGY INPUT		
Input rated voltage		12V-75V
Input current range		12A (Max)
Input power		400W (Max)
Input over voltage		80V±3V
Input Under voltage Protection		10.5V-11.5V
MPPT efficiency		95%
DC OUTPUT		
No load consumes electrical current		≤50mA
The output voltage		12V±5%
Output rated current		12V/5A
Output overcurrent protection		5.6A±0.5A
Full load efficiency		≥95%
Output short circuit protection		Yes
AC INPUT		
Input rated voltage		220V±10%
Input power		600W (Max)
Input over voltage		250V±3V
Input Under voltage Protection		185V±3V
Input efficiency		90%
LITHIUM BATTER		
Nominal Storage Capacity		1280Wh
Rated voltage		25.6V
Operating Voltage Range		20V-29.2V
Max.Charging Current		50A
Max.Discharging Current		50A
Depth Of Discharge		80%