

YJC POWER

GOLF CART AND LOGISTICS DELIVERY VEHICLE BATTERY SYSTEMS



YJC POWER

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YJC Technology Co., Ltd.

LiFePO4 BATTERY

GOLF CART BATTERY

YJC-EV-M-51.2V30Ah-SE

SEAMLESS AND CONVENIENT REPLACEMENT OF LEAD-ACID,
FREELY COMBINABLE ACCORDING TO MILEAGE

LIFE SPAN 8 YEARS
3000 CYCLES



FUNCTIONAL SPECIFICATIONS	
Name	YJC-EV-M-51.2V30Ah-SE
Model	5130N
Nominal Voltage	51.2V
Nominal Capacity	30Ah
Nominal Energy	1536Wh
Cell Chemistry	LiFePO4
Cell Type	Prismatic
Brake resistance	No
DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	105A
Peak Discharge Current	315A-1sec
Peak Discharge Current	210A-10sec
Protection Recover	Automatic
Low Voltage Disconnect	40V-5 sec(2.5vpc)
Low Voltage Reconnect	48V
CHARGE SPECIFICATIONS	
Recommended Charging Current	15A
Max Charging Current	30A
Recommended Charge Voltage	57.6V max
High Voltage Disconnect	59.2V(3.7vpc)(5 sec)
High Voltage Reconnect	55.2V
Charging heating	Optional
MECHANICAL SPECIFICATIONS	
Dimensions (LxWxH)	10.2x7.1x10.9in(260x180x278mm)
Weight	37.0 lbs (16.8 kg)
Stud Terminal	M8x1.25-20
Torque	79.7-88.5 in-lbs.(9-10 N-m)
IP level	IP67
ENVIRONMENTAL SPECIFICATIONS	
Charge Temperature	32°F to 122°F (0°C to 50°C)
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	<90% RH
Storage Temperature	-4°F to 95°F(-20°C to 35°C)
Storage Humidity	25 to 85% RH
PROTECTION SPECIFICATIONS	
Pack Overcharge Voltage	YES (Settable)
Cell Overcharge Voltage	YES (Settable)
Pack Overdischarge Voltage	YES (Settable)
Cell Overdischarge Voltage	YES (Settable)
Over Current	YES (Settable)
Short Circuit	YES (Settable)
Cell Temperature	YES (Settable)
BMS Temperature	YES (Settable)
COMMUNICION	
CAN/RS485	
Bluetooth	Optional
Remote Control	Optional
OTHER SPECIFICATIONS	
Certifications	UN38.3, CE
Fire Extinguishing	Optional

STANDARD CONFIGURATION

Golf Cart Battery	x1
instrument	x1
charger	x1



LiFePO4 BATTERY

GOLF CART BATTERY

YJC-EV-M-51.2V105Ah-SE

CONVENIENT REPLACEMENT OF LEAD-ACID

LIFE SPAN 8 YEARS

3000 CYCLES



FUNCTIONAL SPECIFICATIONS	
Name	YJC-EV-M-51.2V105Ah-SE
Model	51105P
Nominal Voltage	51.2V
Nominal Capacity	105Ah
Nominal Energy	5376Wh
Cell Chemistry	LiFePO4
Cell Type	Prismatic
Brake resistance	Optional
DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	105A
Peak Discharge Current	420A-3sec
Peak Discharge Current	315A-30sec
Protection Recover	Automatic
Low Voltage Disconnect	40V-5 sec(2.5vpc)
Low Voltage Reconnect	48V
CHARGE SPECIFICATIONS	
Recommended Charging Current	52.3A
Max Charging Current	105A
Recommended Charge Voltage	57.6V max
High Voltage Disconnect	59.2V(3.7vpc)(5 sec)
High Voltage Reconnect	55.2V
Charging heating	Optional
MECHANICAL SPECIFICATIONS	
Dimensions (LxWxH)	21.5x13.0x9.1 in (545x330x230mm)
Weight	107.1 lbs (48.6 kg)
Stud Terminal	M8x1.25-12
Torque	79.7-88.5 in-lbs.(9-10 N-m)
IP level	IP67
ENVIRONMENTAL SPECIFICATIONS	
Charge Temperature	32°F to 122°F (0°C to 50°C)
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	<90% RH
Storage Temperature	-4°F to 95°F(-20°C to 35°C)
Storage Humidity	25 to 85% RH
PROTECTION SPECIFICATIONS	
Pack Overcharge Voltage	YES (Settable)
Cell Overcharge Voltage	YES (Settable)
Pack Overdischarge Voltage	YES (Settable)
Cell Overdischarge Voltage	YES (Settable)
Over Current	YES (Settable)
Short Circuit	YES (Settable)
Cell Temperature	YES (Settable)
BMS Temperature	YES (Settable)
COMMUNICION	
CAN	Optional
RS485	Optional
Bluetooth	Optional
Remote Control	Optional
OTHER SPECIFICATIONS	
Certifications	UN38.3, CE
Fire Extinguishing	Optional

STANDARD CONFIGURATION

Golf Cart Battery	x1
instrument	x1
charger	x1



LiFePO4 BATTERY

GOLF CART BATTERY

YJC-EV-M-51.2V160Ah-SE

CONVENIENT REPLACEMENT OF LEAD-ACID

LIFE SPAN 8 YEARS

3000 CYCLES



FUNCTIONAL SPECIFICATIONS	
Name	YJC-EV-M-51.2V160Ah-SE
Model	51160P
Nominal Voltage	51.2V
Nominal Capacity	160Ah
Nominal Energy	8192Wh
Cell Chemistry	LiFePO4
Cell Type	Prismatic
Brake resistance	Optional
DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	160A
Peak Discharge Current	420A-3sec
Peak Discharge Current	315A-30sec
Protection Recover	Automatic
Low Voltage Disconnect	40V-5 sec(2.5vpc)
Low Voltage Reconnect	48V
CHARGE SPECIFICATIONS	
Recommended Charging Current	80A
Max Charging Current	160A
Recommended Charge Voltage	57.6V max
High Voltage Disconnect	59.2V(3.7vpc)(5 sec)
High Voltage Reconnect	55.2V
Charging heating	Optional
MECHANICAL SPECIFICATIONS	
Dimensions (LxWxH)	31.3x13.8x8.6in (796x350x219mm)
Weight	165.3 lbs (75.0 kg)
Stud Terminal	M8x1.25-12
Torque	79.7-88.5 in-lbs.(9-10 N-m)
IP level	IP67
ENVIRONMENTAL SPECIFICATIONS	
Charge Temperature	32°F to 122°F (0°C to 50°C)
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	<90% RH
Storage Temperature	-4°F to 95°F(-20°C to 35°C)
Storage Humidity	25 to 85% RH
PROTECTION SPECIFICATIONS	
Pack Overcharge Voltage	YES (Settable)
Cell Overcharge Voltage	YES (Settable)
Pack Overdischarge Voltage	YES (Settable)
Cell Overdischarge Voltage	YES (Settable)
Over Current	YES (Settable)
Short Circuit	YES (Settable)
Cell Temperature	YES (Settable)
BMS Temperature	YES (Settable)
COMMUNICION	
CAN	Optional
RS485	Optional
Bluetooth	Optional
Remote Control	Optional
OTHER SPECIFICATIONS	
Certifications	UN38.3, CE
Fire Extinguishing	Optional

STANDARD CONFIGURATION

Golf Cart Battery	x1
instrument	x1
charger	x1





LiFePO4 BATTERY

GOLF CART BATTERY

YJC-EV-M-73.6V105Ah-SE

CONVENIENT REPLACEMENT OF LEAD-ACID

LIFE SPAN 8 YEARS
3000 CYCLES

FUNCTIONAL SPECIFICATIONS	
Name	YJC-EV-M-73.6V105Ah-SE
Model	72105P
Nominal Voltage	73.6V
Nominal Capacity	105Ah
Nominal Energy	7728Wh
Cell Chemistry	LiFePO4
Cell Type	Prismatic
Brake resistance	Optional
DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	105A
Peak Discharge Current	420A-3sec
Peak Discharge Current	315A-30sec
Protection Recover	Automatic
Low Voltage Disconnect	57.5V-5 sec(2.5vpc)
Low Voltage Reconnect	69V
CHARGE SPECIFICATIONS	
Recommended Charging Current	52.5A
Max Charging Current	105A
Recommended Charge Voltage	82.8V max
High Voltage Disconnect	85.1V(3.7vpc)(5 sec)
High Voltage Reconnect	79.35V
Charging heating	Optional
MECHANICAL SPECIFICATIONS	
Dimensions (LxWxH)	29.1x13x9.0in (740x330x230mm)
Weight	143.3 lbs (73.2 kg)
Stud Terminal	M8x1.25-12
Torque	79.7-88.5 in-lbs.(9-10 N-m)
IP level	IP67
ENVIRONMENTAL SPECIFICATIONS	
Charge Temperature	32°F to 122°F (0°C to 50°C)
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	<90% RH
Storage Temperature	-4°F to 95°F(-20°C to 35°C)
Storage Humidity	25 to 85% RH
PROTECTION SPECIFICATIONS	
Pack Overcharge Voltage	YES (Settable)
Cell Overcharge Voltage	YES (Settable)
Pack Overdischarge Voltage	YES (Settable)
Cell Overdischarge Voltage	YES (Settable)
Over Current	YES (Settable)
Short Circuit	YES (Settable)
Cell Temperature	YES (Settable)
BMS Temperature	YES (Settable)
COMMUNICION	
CAN	Optional
RS485	Optional
Bluetooth	Optional
Remote Control	Optional
OTHER SPECIFICATIONS	
Certifications	UN38.3, CE
Fire Extinguishing	Optional

STANDARD CONFIGURATION

Golf Cart Battery	x1
instrument	x1
charger	x1



LiFePO4 BATTERY

LOGISTICS SUPER DISTRIBUTION LOW-SPEED VEHICLE BATTERY

YJC-EV-M-51.2V100Ah-SE

The company has established a strategic partnership with listed companies in Europe and the United States for "last-mile" logistics and distribution.

Realize the depth of binding and lay a solid foundation for the long-term development of the enterprise.



FUNCTIONAL SPECIFICATIONS

Model	YJC-EV-M-51.2V100Ah-SE
Terminal Type	M8-1.25
Terminal Torouein-lbs(nm)	80-90(9-10)
Dimensions (LxWxH)	19.5 x 11.41x 15.03 in (495 x 290 x 382 mm)
Weight	121.2lbs(55kg)
Handles	Removable
Installation Orientation	Vertical

ELECTRICAL SPECIFICATIONS

Voltage	51.2V
Capacity Amp-hours (Ah)	100Ah
Energy (kWh)	5.12kwh
Short circuit current	Fused 200A

OPERATIONAL SPECIFICATIONS

Operating Temperature Range	-4°F TO 140°F (-20°C TO 60°C)
storage Temperature Range	-40°F TO 122°F (-40°C TO 50°C)

CHARGER INSTRUCTIONS

Recommended Charging Voltage	55.2-57.6V
Recommended Float Voltage	55.2V
Maximum Charging Current @ Temperature	<32°F (<0°C): 0A 32°F to 50°F (0-10°C): 25A 50°F to 68°F (10-20°C): 50A 68°F to 113°F (20-45°C): 50A > 113°F (> 45°C): 0A

PERFORMANCE AND SYSTEM SPECIFICATIONS

Maximum Continuous Discharge Current @77°F (25°C)	100A
Maximum Pulse Discharge Current @77°F (25°C)	160A-15 sec
Maximum Instantaneous Discharge Current	300A-5 sec
Reserve Capacity @83 Amps	72 Min
Battery Internal Protection	Short Circuit Current temperature Over Voltage Under Voltage Over-current
Battery Functions	Cell Balancing, State of Charge, CAN
Safety Systems	Fuse, hardware, BMS
Discharge Voltage Cutoff	40.5V ± 5%
Charge Voltage Cutoff	60V± 5%
IP level	IP67
Shipping Classification	UN3480, Class 9
Case Flame Rating	UL94 V-0



LiFePO4 BATTERY

LOGISTICS SUPER DISTRIBUTION LOW-SPEED VEHICLE BATTERY

YJC-EV-M-73.6V100Ah-SE

The company has established a strategic partnership with listed companies in Europe and the United States for "last-mile" logistics and distribution.

Realize the depth of binding and lay a solid foundation for the long-term development of the enterprise.



FUNCTIONAL SPECIFICATIONS

Model	YJC-EV-M-73.6V100Ah-SE
Terminal Type	Amphenol C-HVSL600062A025
Dimensions (LxWxH)	20.0 x 17.72 x 12.09 in (508 x 450 x 307 mm)
Weight	169.76lbs (77kg)
Handles	Removable
Installation Orientation	Vertical

ELECTRICAL SPECIFICATIONS

Voltage	73.6V
Capacity Amp-hours (Ah)	100Ah
Energy (kWh)	7.68kwh
Short circuit current	Fused 200A

OPERATIONAL SPECIFICATIONS

Operating Temperature Range	-4°F TO 140°F (-20°C TO 60°C)
storage Temperature Range	-40°F TO 122°F (-40°C TO 50°C)

CHARGER INSTRUCTIONS

Recommended Charging Voltage	79.35-82.8V
Recommended Float Voltage	79.35
Maximum Charging Current @ Temperature	<32°F (<0°C): 0A 32°F to 50°F (0-10°C): 30A 50°F to 68°F (10-20°C): 50A 68°F to 113°F (20-45°C): 100A > 113°F (> 45°C): 0A

PERFORMANCE AND SYSTEM SPECIFICATIONS

Maximum Continuous Discharge Current @77°F (25°C)	100A
Maximum Pulse Discharge Current @77°F (25°C)	200A-15 sec
Maximum Instantaneous Discharge Current	400A-30 msec
Reserve Capacity @83 Amps	72 Min
Battery Internal Protection	Short Circuit Current temperature Over Voltage Under Voltage Over-current
Battery Functions	Cell Balancing, State of Charge, CAN
Safety Systems	Fuse, hardware, BMS
Discharge Voltage Cutoff	58.2A ± 5%
Charge Voltage Cutoff	86.25A ± 5%
IP level	IP67
Shipping Classification	UN3480, Class 9
Case Flame Rating	UL94 V-0



LiFePO4 BATTERY

2.72KWH INTELLIGENT BATTERY EXCHANGE STATION

YJC-EV-M-73.6V37Ah-SE

MODULAR BATTERY + SMALL ELECTRICAL CABINET + PHOTOVOLTAIC ENERGY STORAGE.

Unique fast battery swapping structure with a swapping time of less than 10 seconds.

Modular battery pack, capable of parallel use with multiple packs, and compatible across different models.

Intelligent BMS with GPS, supporting cloud management, security, and theft protection.



Model	YJC-EV-M-73.6V37Ah-SE
Rated voltage	73.6V
Battery cell	LFP_PN37
Capacity	37Ah
Energy	2723.2Wh
String and parallel scheme	A maximum of six battery packs can be used in parallel (a single battery pack can be grouped into 1 and 23 strings). Inside the battery pack: intelligent BMS, 4G antenna handle and other main components.
Communication method	RS485
Maximum dimensions (L*W*H)	310*176*308mm
Weight	22Kg
Discharge current	18.5 A
Maximum continuous discharge current	37A
Discharge cutoff voltage	57.5 V
Charging cutoff voltage	83.95 V
Charging cutoff current	740mA
Maximum Continuous Charging Current	≤20A
Internal resistance	≤30mΩ
Charging/discharging connector	2+4 charge and release ports
Charging/Discharging Methods	At 25°C, 0.2C83.95V charging cutoff current 0.02C (constant current and constant voltage charging, single section: 3.65V), 0.5C constant discharge to 57.5±0.5V (single section: 2.5V) ±5%
Battery pack functionality	Power off protection/balancing function/over current protection/short circuit protection/over discharge protection/over temperature protection/over charge protection/low temperature protection, etc
IP level	IP67
Shell material	SPCC
Operating temperature range	0 ~ 60°C / -20~60°C
Storage conditions	-20 ~ 45°C 40-60%RH
The product design meets the standards.	UN38.3/3C
Cycle life	3000 cycles

