



Portable 12v 50ah Lifepo4 7.2-200ah 12v Lifepo4 Battery For Power Tools

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN38.3
- Model Number: QYP12-50
- Minimum Order Quantity: 10
- Packaging Details: Carton packing
- Delivery Time: 1 months
- Payment Terms: L/C, T/T
- Supply Ability: 10000 set per month

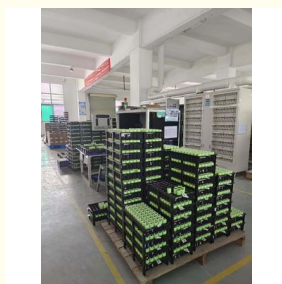


Product Specification

- Battery Type: LFP
- Rated Voltage: 12.8V
- Rated Capacity: 7.2~200AH
- Weight: 1-30KG
- Cycle Life: >2000 Times
- Application: Toys, Power Tools, Home Appliances, Camping, RV
- Enclosure Material: ABS
- Protection Level: IP65
- Highlight: portable 12v 50ah lifepo4, 7.2ah 12v lifepo4 battery, 200ah 12v lifepo4 battery



More Images



Product Description

12V 50AH LFP Battery Portable Battery

Product Parameters

ELECTRICAL PERFORMANCE

Nominal Voltage	12.8 V				
Nominal Capacity	7.2 Ah	10 Ah	50 Ah	100Ah	200 Ah
Capacity @ 20A	300 min				
Energy	92 Wh	138 Wh	640 Wh	1280 Wh	2560 Wh
Resistance	≤90 mΩ @ 50% SOC	≤40 mΩ @ 50% SOC	≤25 mΩ @ 50% SOC	≤10 mΩ @ 50% SOC	≤8 mΩ @ 50% SOC
Self Discharge	<3% / Month				
Cells	Cylindrical				

CHARGE PERFORMANCE

Recommended Charge Current	1.5 A	2.0 A	10 A	20 A	40 A
Maximum Charge Current	7.2 A	10 A	50 A	100 A	100 A
Recommended Charge Voltage	14.6 V				
BMS Charge Cut-Off Voltage	<15.6 V (3.9V/Cell)				
Reconnect Voltage	>14.4 V (3.6V/Cell)				
Balancing Voltage	<14.4 V (3.6V/Cell)				
Maximum Batteries in Series	4	6	4	4	4

DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	15 A	15 A	50 A	100 A	150 A
Peak Discharge Current	30 A (3s)	30 A (3s)	100 A (3s)	200 A (3s)	300 A (3s)
BMS Discharge Cut-Off Current	45 A ±5 A (31 ms)	45 A ± 5 A (31 ms)	150 A ± 5 A (31ms)	300 A ±10 A (31ms)	450 A ±20 A (31ms)
Recommended Low Voltage Disconnect	11.0 V (2.75V/Cell)				
BMS Discharge Cut-Off Voltage	>10.0 V (2s) (2.5V/Cell)	>8.0 V (2s) (2.0V/Cell)	>10.0 V (2s) (2.5V/Cell)	>8.0 V (2s) (2.0V/Cell)	>8.0 V (3s) (2.0V/Cell)
Reconnect Voltage	>11.2 V (2.8V/Cell)	>10.0 V (2.5V/Cell)	>11.2 V (2.8V/Cell)	>10 V (2.5V/Cell)	>10.8 V (2.7V/Cell)
Short Circuit Protection	250 ~ 500 μs				

MECHANICAL PERFORMANCE

Dimension (L x W x H)	151 x 65 x 100 mm	151 x 99 x 101 mm,5.9 x 3.9 x 4.0"	198 x 166 x 176 mm,7.8 x 6.5 x 6.9"	329 x 172 x 225 mm,13.0 x 6.8 x 8.8"	520 x 268x 228 mm,20.5 x 10.6 x 9.0"
Approx. Weight	2.0 lbs (0.9 kg)	2.9 lbs (1.3 kg)	13.9 lbs (6.3 kg)	27.8 lbs (12.6 kg)	56.9 lbs (25.8 kg)
Terminal Type	F2	F2	T11	T11	T11
Terminal Torque			80 ~ 100 in-lbs (9 ~ 11 N-m)	80 ~ 100 in-lbs (9 ~ 11 N-m)	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	ABS				
Enclosure Protection	IP65				

TEMPERATURE PERFORMANCE

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Discharge Temperature	-4 ~ 131 °F (-20 ~ 55 °C)	-4 ~ 140 °F (-20 ~ 60 °C)	-4 ~ 131 °F (-20 ~ 55 °C)	-4 ~ 131 °F (-20 ~ 55 °C)	-4 ~ 149 °F (-20 ~ 65 °C)
Charge Temperature	32 ~ 113 °F (0 ~ 45 °C)				
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)				
BMS High Temperature Cut-Off	149 °F (65 °C)	149 °F (65 °C)	149 °F (65 °C)	149 °F (65 °C)	167 °F (75 °C)
Reconnect Temperature	131 °F (55 °C)	131 °F (55 °C)	131 °F (55 °C)	131 °F (55 °C)	149 °F (65 °C)
COMPLIANCE					
Certifications	CE (battery)				
	UN38.3 (battery)				
	UL1642 & IEC62133 (cells)				
Shipping Classification	UN 3480, CLASS 9				



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