



Minicube LITHIUM ION BATTERY

■ STM12V100Ah

Features



Safest lithium battery technology and
Multiple safety protection



Lithium iron Phosphate Battery(LiFePO4)



Eco-friendly



20 Years Designed service life



Intelligent balancing function



OFFICE IN CHINA

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MODEL	STM12V100Ah
MECHANICAL SPECIFICATIONS	
Case Material	ABS
Cell Type-Chemistry	Prismatic LiFePO4
Terminal Type	M8
IP Grade	IP65
BMS CHARACTERISTICS	
Recommended Charge Current	50A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	100A
Recommended Charge Voltage	13.6~13.8V
Maximum Charge Voltage	14.6V
Overcharge Protection Voltage	14.8~15.2V
Charge Mode	CC/CV
Discharge Cut-off Voltage Range	11.2V
BASIC PERFORMANCE	
Nominal Voltage	12.8 V
Nominal Capacity	100Ah
Standard Discharge Time	100A @60min
Energy	1.28KWh
Internal Resistance	≤ 15mΩ
Self-Discharge	≤2%/Month
Cells	Square 100Ah
Cycle Life	4000 times(1C/1C)
Size	330*171*220mm
Weight	11kg
COMPLIANCE	
Certifications	CE/UN38.3/UL1642/IEC62133
Transportation Appraisal	UN3480, CLASS 9
CHARGE PERFORMANCE	
Rated Charge Current	50 A
Maximum Charge Current	100 A
Rated Charge Voltage	13.6~13.8V
Charge Cut-off Voltage	> 14.8V(0.5~1.5S)
Reconnect Voltage	< 14.4V
Balancing Voltage	< 14V
System Series	≤6
DISCHARGE PERFORMANCE	
Rated Discharge Current	100A
Pulse Current(<=5s)	600A
Rated Discharge Cut-off Voltage	11.2V
Minimum Discharge Cut-off Voltage	>10V
Reconnect Voltage	>10.4V
TEMPERATURE PERFORMANCE	
Discharge Temperature	-20~60°C
Charge Temperature	0~45°C
Storage Temperature	-5~35°C
High Temperature Cut-off	65°C
Reconnect Temperature	48°C

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