12V Lithium iron Battery(LiFePO4)





Safest lithium battery technology and Multiple safety protection



Lithium iron Phosphate Battery(LiFePO4)



Eco-friendly



20 Years Designed service life



Intelligent balancing function



App monitoring

MECHANICAL SPECIFICATIONS Case Material	ABS	N
Cell Type-Chemistry	Prismatic LiFePO4	C
Terminal Type	M8	Т
IP Grade	IP65	IF
BMS CHARACTERISTICS	11 00	B
Recommended Charge Current	50A	R
Maximum Charge Current	100A	N
Maximum Continuous Discharge Current	100A	N
Recommended Charge Voltage	13.6~13.8V	R
Maximum Charge Voltage	14.6V	N
Overcharge Protection Voltage	14.8~15.2V	C
Charge Mode	CC/CV	C
Discharge Cut-off Voltage Range	11.2V	
BASIC PERFORMANCE	11.2 V	8
Nominal Voltage	12.8 V	N
-	12.6 V 100Ah	N N
Nominal Capacity	100An 100A @60min	S
Standard Discharge Time	1.28KWh	S
Energy	1.26KVVII ≤15mΩ	
Internal Resistance		Ir
Self-Discharge	≤2%/Month	S
Cells	Prismatic 100Ah	C
Cycle Life	4000 times(1C/1C)	C
Size	306*169*215mm	S
Weight	10.5kg	V
COMPLIANCE	05/10/00 0/10/10/00/00	C
Certifications	CE/UN38.3/UL1642/IEC62133	C
Transportation Appraisal	UN3480,CLASS 9	Т
CHARGE PERFORMANCE	50 4	C
Rated Charge Current	50 A	R
Maximum Charge Current	100A	M
Rated Charge Voltage	13.6~13.8V	R
Charge Cut-off Voltage	>14.8V(0.5~1,5S)	C
Reconnect Voltage	<14.4V	R
Balancing Voltage	<14V	В
System Series	≤6	S
DISCHARGE PERFORMANCE		
Rated Discharge Current	100A	R
Pulse Current(<=5s)	600A	Р
Rated Discharge Cut-off Voltage	11.2V	R
Minimum Discharge Cut-off Voltage	>10V	N
Reconnect Voltage	>10.4V	R
TEMPERATURE PERFORMANCE		Т
Discharge Temperature	-20-60°C	D
Charge Temperature	0~45°C	C
Storage Temperature	-5~35°C	S
High Temperature Cut-off	65°C	Н
Reconnect Temperature	48°C	R
Note: Specifications are subject to change without a	dvance notice	N

MODEL

MODEL	STM12V200-2
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	200A
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	11.24
Nominal Voltage	12.8 V
Nominal Capacity	200Ah
Standard Discharge Time	200A @60min
Energy	2.56KWh
Internal Resistance	≤10mΩ
Self-Discharge	≤2%/Month
Cells	Prismatic 100Ah
Cycle Life	4000 times(1C/1C)
Size	522*238*223mm
Weight	19.5kg
COMPLIANCE	
Certifications	CE/UN38.3/UL1642/IEC62133
Transportation Appraisal	UN3480,CLASS 9
CHARGE PERFORMANCE	
Rated Charge Current	50 A
Maximum Charge Current	100A
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	200A
Pulse Current(<=5s)	1000A
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
Note: Specifications are subject to change without a	