

## 24V Lithium iron Battery(24V)



Safest lithium battery technology and Multiple safety protection



Lithium iron Phosphate Battery(LiFePO4)



Eco-friendly



20 Years Designed service life



Intelligent balancing function

MODEL	STM24V100-2
<b>MECHANICAL SPECIFICATIONS</b>	
Case Material	ABS
Cell Type-Chemistry	Prismatic LiFePO4
Terminal Type	M8
IP Grade	IP65
<b>BMS CHARACTERISTICS</b>	
Recommended Charge Current	50A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	100A
Recommended Charge Voltage	27.2~27.6V
Maximum Charge Voltage	29.2V
Overcharge Protection Voltage	29.6~30.4V
Charge Mode	CC/CV
Discharge Cut-off Voltage Range	22.4V
<b>BASIC PERFORMANCE</b>	
Nominal Voltage	25.6 V
Nominal Capacity	100Ah
Standard Discharge Time	100A @60min
Energy	2.56KWh
Internal Resistance	≤10mΩ
Self-Discharge	≤2%/Month
Cells	Prismatic 100Ah
Cycle Life	3000 times(1C/1C)
Size	522*238*223mm
Weight	21.5kg
<b>COMPLIANCE</b>	
Certifications	CE/UN38.3/UL1642/IEC62133
Transportation Appraisal	UN3480.CLASS 9
<b>CHARGE PERFORMANCE</b>	
Rated Charge Current	50 A
Maximum Charge Current	100A
Rated Charge Voltage	27.2~27.6V
Charge Cut-off Voltage	>29.6V(0.5~1.5S)
Reconnect Voltage	<28.8V
Balancing Voltage	<28V
System Series	≤3
<b>DISCHARGE PERFORMANCE</b>	
Rated Discharge Current	100A
Pulse Current(≤5s)	300A
Rated Discharge Cut-off Voltage	22.4V
Minimum Discharge Cut-off Voltage	>20V
Reconnect Voltage	>20.8V
<b>TEMPERATURE PERFORMANCE</b>	
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 advance notice.

MODEL	STM24V200-2
<b>MECHANICAL SPECIFICATIONS</b>	
Case Material	ABS
Cell Type-Chemistry	Prismatic LiFePO4
Terminal Type	M8
IP Grade	IP65
<b>BMS CHARACTERISTICS</b>	
Recommended Charge Current	50A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	200A
Recommended Charge Voltage	27.2~27.6V
Maximum Charge Voltage	29.2V
Overcharge Protection Voltage	29.6~30.4V
Charge Mode	CC/CV
Discharge Cut-off Voltage Range	22.4V
<b>BASIC PERFORMANCE</b>	
Nominal Voltage	25.6 V
Nominal Capacity	200Ah
Standard Discharge Time	200A @60min
Energy	5.12KWh
Internal Resistance	≤10mΩ
Self-Discharge	≤2%/Month
Cells	Prismatic 100Ah
Cycle Life	3000 times(1C/1C)
Size	522*238*223mm
Weight	37.0kg
<b>COMPLIANCE</b>	
Certifications	CE/UN38.3/UL1642/IEC62133
Transportation Appraisal	UN3480.CLASS 9
<b>CHARGE PERFORMANCE</b>	
Rated Charge Current	50 A
Maximum Charge Current	100A
Rated Charge Voltage	27.2~27.6V
Charge Cut-off Voltage	>29.6V(0.5~1.5S)
Reconnect Voltage	<28.8V
Balancing Voltage	<28V
System Series	≤3
<b>DISCHARGE PERFORMANCE</b>	
Rated Discharge Current	200A
Pulse Current(≤5s)	600A
Rated Discharge Cut-off Voltage	22.4V
Minimum Discharge Cut-off Voltage	>20V
Reconnect Voltage	>20.8V
<b>TEMPERATURE PERFORMANCE</b>	
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 advance notice.