

12.8V 100Ah LiFePO₄ Battery

FEATURES & BENEFITS



High cycle life

>3000 cycles @80% DoD for effectively lower total cost of ownership.



Built in circuit protection

Battery Management Systems (BMS) are incorporated against abuse.



Light weight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Longer service life

Low maintenance batteries with stable chemistry. Easily monitor state of charge (SoC) of smart models.



Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge

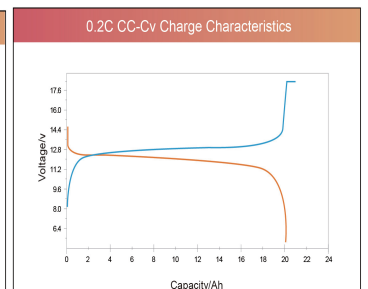
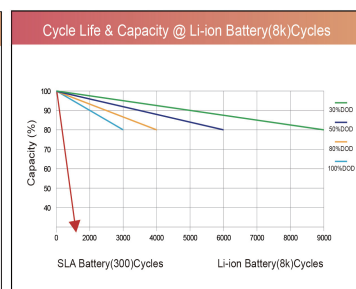
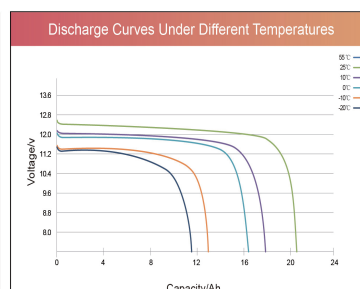
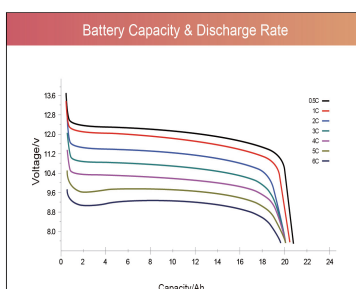
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Leading technology

We are a lithium battery brand originating from Germany and holding German patent certification

PERFORMANCE CHARACTERISTICS





MODEL:CST-LT-12.8-100

ELECTRICAL PERFORMANCE

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Energy	1280Wh
Resistance	≤12.2mΩ@50%SOC
Self Discharge	<3% /Month
Life Cycle	>3000Cycles

DISCHARGE PERFORMANCE

Continuous Discharge Current	50A
Maximum continuous Discharge Current	100A
Peak discharge Cut-Off Current	230A
Recommended Low Voltage Disconnect	10V
Discharge Cut-Off Voltage	>8.4V
Reconnect Voltage	9.2V
Short Circuit Protection	Yes

CHARGE PERFORMANCE

Recommended Charge Current	50A
Maximum Chargent	100A
Recommended Charge Voltage	14.6V
Charge Cut-Off Voltage	<15.2V
Reconnect Voltage	>14.4V
Balancing Voltage	<14V

MECHANICAL PERFORMANCE

Dimension (L x W x H)	260X168X209mm
Approx. Weight	9.47kg
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP65

TEMPERATURE PERFORMANCE

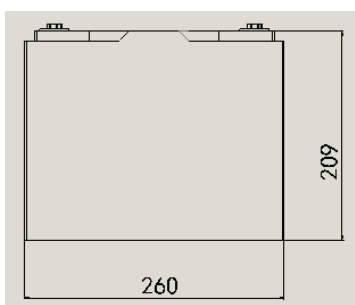
Discharge Temperature	-20~55°C
Charge Temperature	0~55°C
Storage Temperature	-20~25°C
High Temperature Cut-Off	75±5°C
Reconnect Temperature	53±10°C

COMPLIANCE

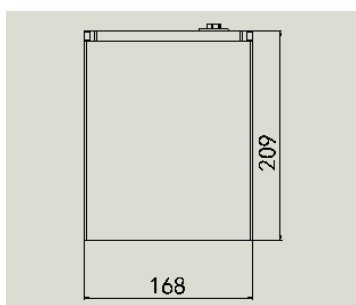
Certifications	UL CE UN38.3
Shipping Classification	UN 3480,MSDS



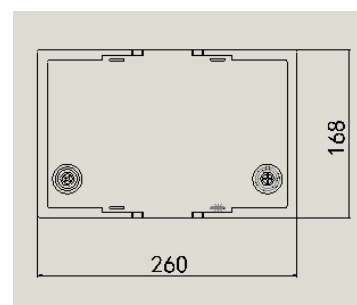
OUTLINE DIMENSION



L:260mm



H:209mm



W:168mm