



## ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6 V
Nominal Capacity	150 Ah
Capacity @ 25A	360 min
Resistance	≤50 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Parallel Only	4

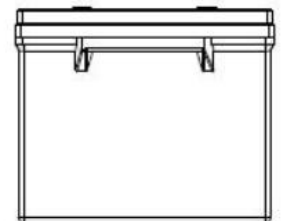
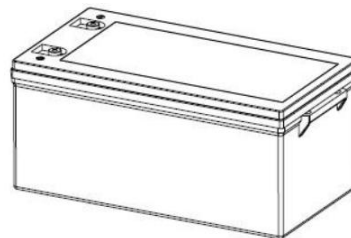
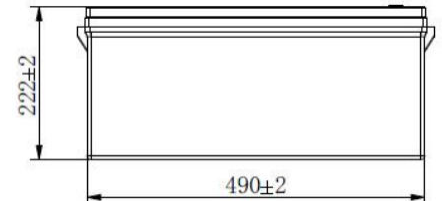
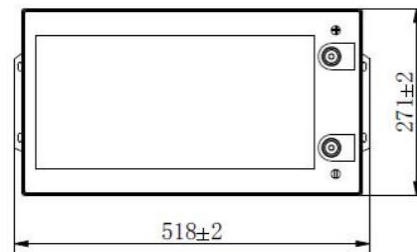
## CHARGING CHARACTERISTICS

Recommended Charge Current	≤ 75 A
Maximum Charge Current	150 Ah
Floating Charge Voltage	27.6 ±0.2 V
Maximum Charge Voltage	29.0 ±0.2 V
Recommended Charge Voltage (Single Unit)	28 V - 29.2 V
BMS Charge Voltage Cut-Off	29.3 V
Reconnect Voltage	28.5 V
Balancing Voltage	27.2 V ± 0.2 V

## DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	150 A
Peak Discharge Current	350 A For 3 S
Recommended Low Voltage Disconnect	22 V ± 0.02 V
BMS Discharge Voltage Cut-Off	20 V ± 0.2 V
Reconnect Voltage	20 V ± 0.02 V
Short Circuit Protection	200-600 μs

## DIMENSIONAL SPECIFICATIONS



## TEMPERATURE SPECIFICATIONS

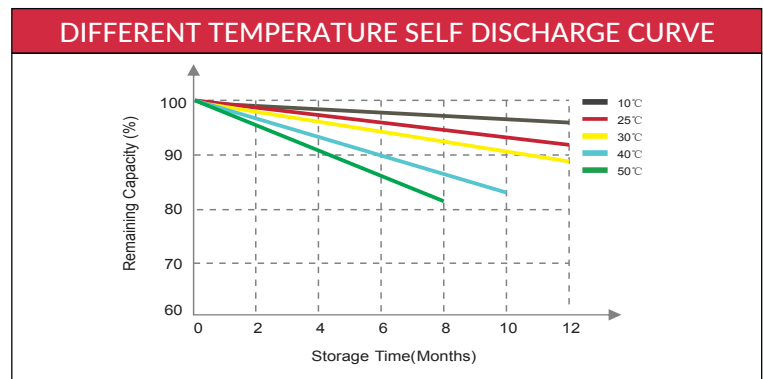
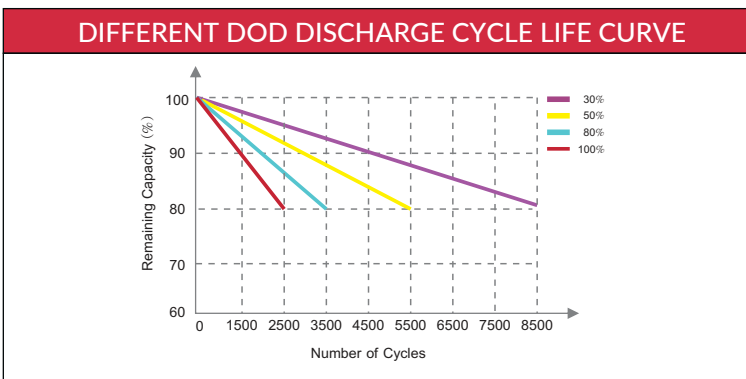
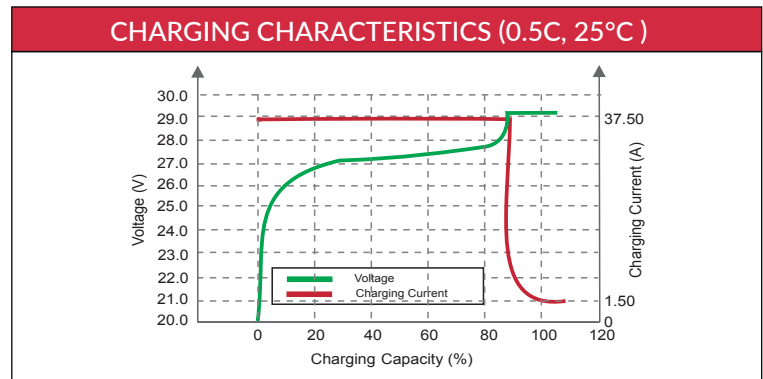
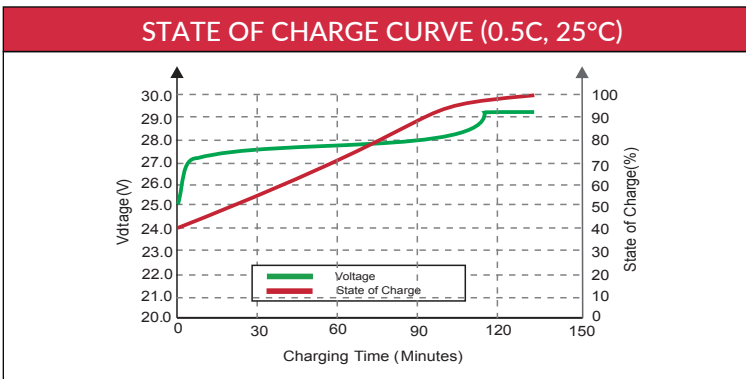
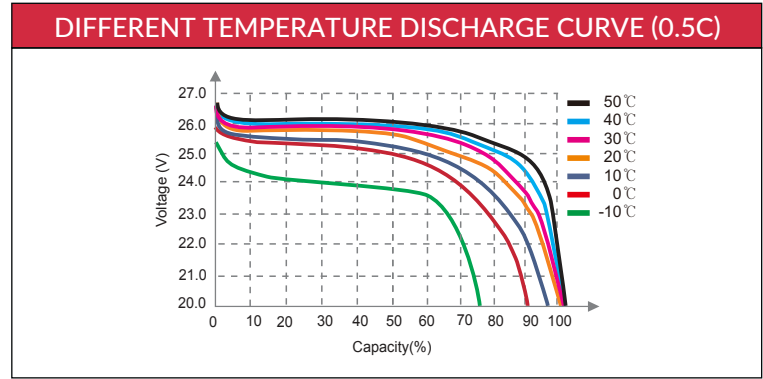
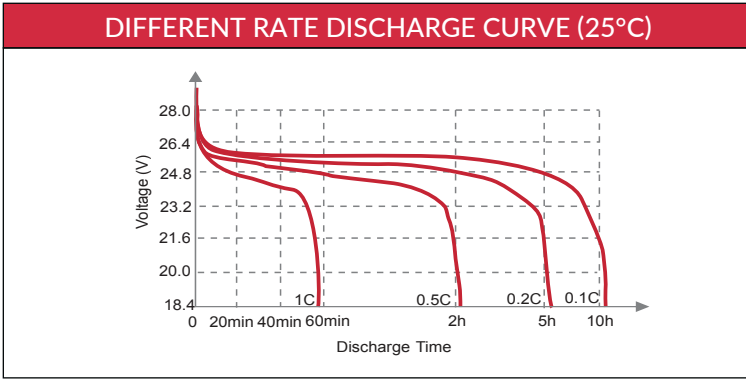
Discharge Temperature	-20 to 60 °C ( -4 to 140 °F )
Charge Temperature*	0 to 45 °C ( 32 to 113 °F )
Recommended Storage Temperature	-5 to 35 °C ( 23 to 95 °F )
BMS High Temperature Cut-Off	65 °C ( 149 °F )
Reconnect Temperature	50 °C ( 122 °F )

\*32°F = 0°C

## MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	20.39 x 10.67 x 8.74" 518 x 271 x 222 mm
Weight	80 lbs (36.29 kg)
Terminal / Thread Pitch	M8 / 1.25
Bolt Length / Thread Depth	14mm / 12mm
Case Material / Torque	ABS / 80-100 in-lbs (9-11 N-m)
IP Rating	IP55
Cell Type - Chemistry	Prismatic - LiFePO4

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## FEATURE LIFEPO4 BATTERY



### MORE CAPACITY :

Lithium iron provides up to 100% of usable energy, which means you can discharge the battery entirely.



### MINIMAL SELF-DISCHARGE :

Less than 3% self-discharge per month, which provides you more power when you need it.



### EASY INSTALLATION :

Canbat lithium iron batteries are designed to be drop-in replacements for sealed lead-acid batteries.



### LIGHTWEIGHT :

Lithium iron batteries are 60% lighter than lead-acid batteries, allowing for simple installation and transportation.



### INCREASED FLEXIBILITY :

Install up to 4 lithium LiFePO4 batteries in series to increase overall voltage or up to 4 in parallel to increase amperage.



### HIGH DISCHARGE RATE :

Ability to deeply discharge the battery at a high rate of discharge while maintaining high energy capacity.



### INTELLIGENT BMS :

The battery management system monitors and adapts to battery conditions to maximize performance and safety.



### FASTER CHARGING :

Charges much faster than conventional sealed lead-acid batteries, giving you access to reliable power quicker.



### LONG CYCLE LIFE :

More than 2,500 cycles at a depth of discharge of 100% and a warranty of 10 years on all lithium batteries.