

CANBAT

Model: CLI40-12 | Voltage: 12.8V | Capacity: 40Ah | Energy: 512Wh

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	40 Ah
Capacity @ 25A	96 min
Resistance	≤30 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Parallel or Series	4

CHARGING CHARACTERISTICS	
Recommended Charge Current	≤ 20 A
Maximum Charge Current	40 Ah
Floating Charge Voltage	13.8 ±0.2 V
Maximum Charge Voltage	14.6 ±0.2 V
Recommended Charge Voltage (Single Unit)	14.4 V - 14.6 V
BMS Charge Voltage Cut-Off	14.8 V
Reconnect Voltage	14.4 V
Balancing Voltage	13.6 V ± 0.2 V

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	40A
Peak Discharge Current	170A For 3 S
Recommended Low Voltage Disconnect	10 V ± 0.04 V
BMS Discharge Voltage Cut-Off	10 V ± 0.2 V
Reconnect Voltage	11.2 V ± 0.04 V
Short Circuit Protection	200-600 μs

TEMPERATURE SPECIFICATIONS

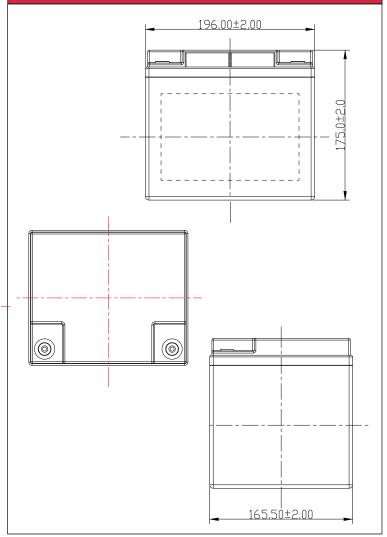
Discharge Temperature	-20 to 60 °C (-4 to 140 ° F)
Charge Temperature*	0 to 45 °C(32 to 113 ° F)
Recommended Storage Temperature	-5 to 35°C (23 to 95 °F)
BMS High Temperature Cut-Off	65 ºC(149 º F)
Reconnect Temperature	50 °C (122 ° F)

 $*32^{\circ}F = 0^{\circ}C$

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	7.72 x 6.54 x 6.89" 196 x 166 x 175 mm
Weight	12.3 lbs (5.58 kg)
Terminal / Thread Pitch	M8 / 1.25
Bolt Length / Thread Depth	20mm / 10mm
Case Material / Torque	ABS / 80-100 in-lbs (9-11 N-m)
IP Rating	IP55
Cell Type - Chemistry	Prismatic - LiFePO4

DIMENSIONAL SPECIFICATIONS



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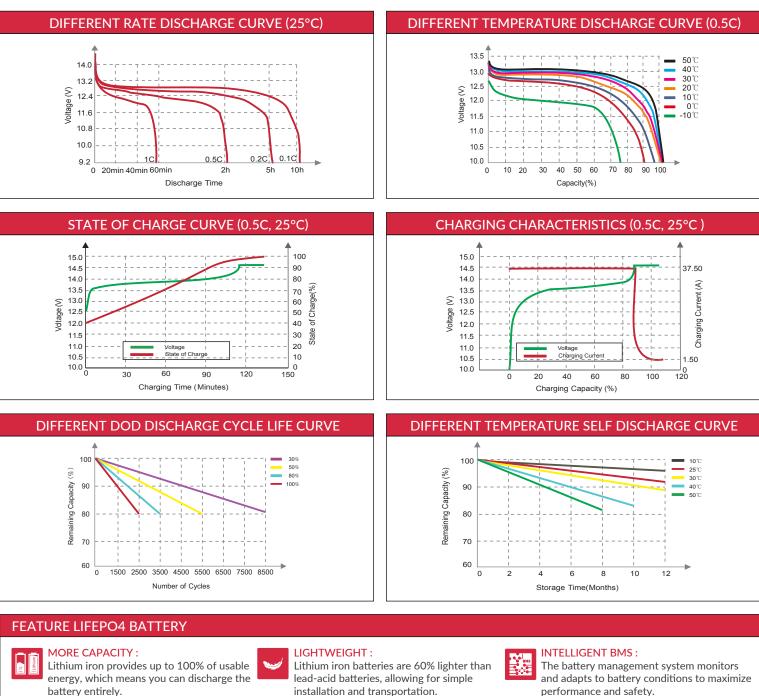






LITHIUM IRON PHOSPHATE BATTERY

Model: CLI40-12 | Voltage: 12.8V | Capacity: 40Ah | Energy: 512Wh



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.

installation and transportation.

INCREASED FLEXIBILITY:

0000 Install up to 4 lithium LiFePO4 batteries in series to increase overall voltage or up to 4 in parallel to increase amperage.



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



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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.

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