CANBAT

Model: CLI460-12LT | Voltage: 12.8 V | Capacity: 460 Ah | Energy: 5888 Wh | Group: 8D

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	460 Ah
Capacity @ 25A	430 min
Resistance	≤10 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Parallel	4
Cycle Life	3000-5000

CHARGING CHARACTERISTICS

Recommended Charge Current	150 A
Maximum Charge Current	300 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	300 A
Peak Discharge Current	1000 A @ 3s
Recommended Low Voltage Disconnect	11 V ± 0.04 V
BMS Discharge Voltage Cut-Off	10 V
Reconnect Voltage	11.2 V ± 0.04 V
Short Circuit Protection	1200 A/500 µs

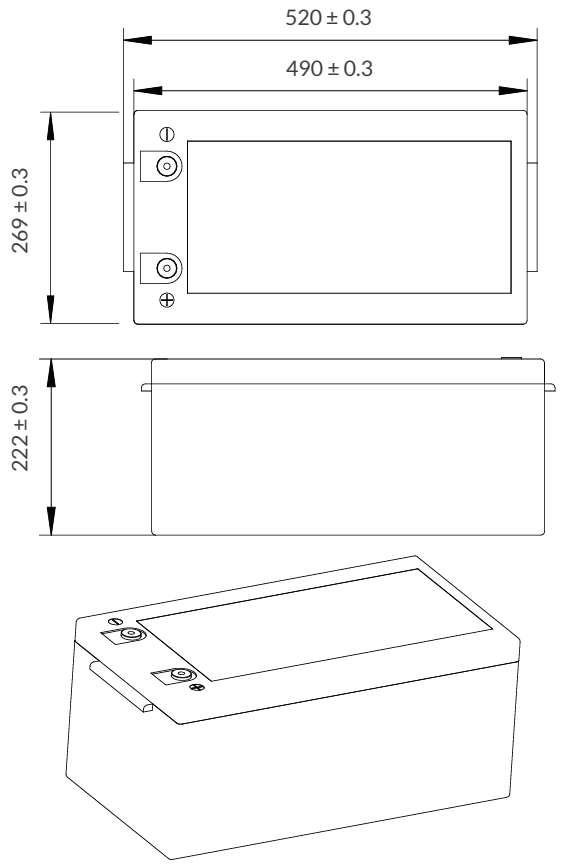
TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20 to 65 °C
Charge Temperature*	-20 to 55 °C
Storage Temperature	15 to 35 °C
BMS High Temperature Cut-Off	65 °C (149 °F)
Reconnect Temperature	50 °C (122 °F)

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	20.47 x 10.59 x 8.74” 520 x 269 x 222 mm
Weight	48.5 lbs (22 kg)
Terminal Type	M8 x 1.25 x 12mm
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP55
Cell Type - Chemistry	Prismatic - LiFePO4
Bluetooth Monitoring	Yes

DIMENSIONAL SPECIFICATIONS



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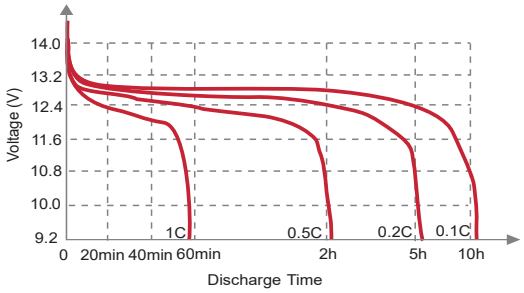
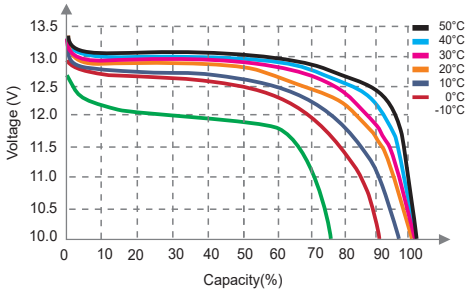
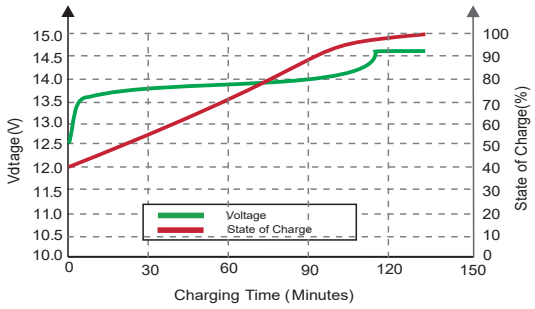
DIFFERENT RATE DISCHARGE CURVE (25°C)



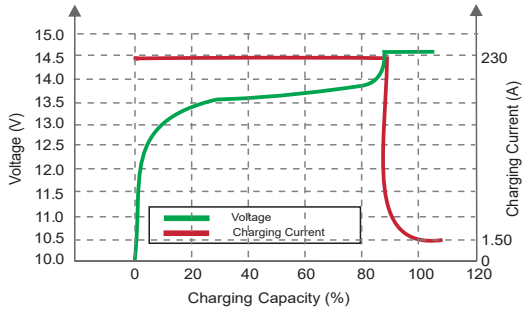
DIFFERENT TEMPERATURE DISCHARGE CURVE (0.5C)



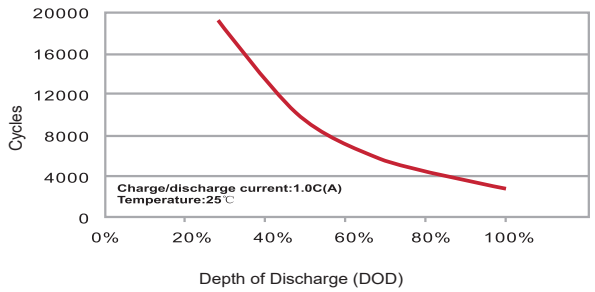
STATE OF CHARGE CURVE (0.5C, 25°C)



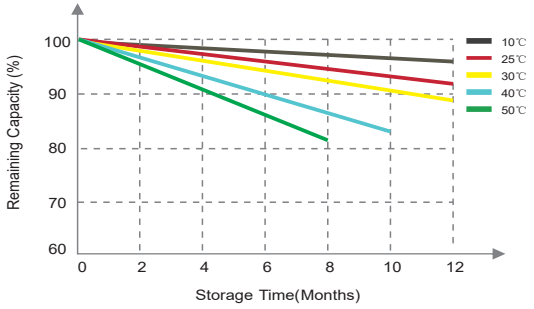
CHARGING CHARACTERISTICS (0.5C, 25°C)



DIFFERENT DOD DISCHARGE CYCLE LIFE CURVE



DIFFERENT TEMPERATURE SELF DISCHARGE CURVE



FEATURE LIFEPO4 BATTERY

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

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

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

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

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

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

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

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

LONG CYCLE LIFE :
More than 3000 cycles at a depth of discharge of 100% and a warranty of 10 years on all lithium batteries.

UN38.3 CE Lithium