HiO BATTERY

38.4V 100Ah

G-38100C LiFePO4 Battery Specification

10-YEAR WARRANTY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	38.4V
Working Voltage	32.4V-43.8V
Nominal Capacity	100Ah
Enclosure Protection	IP67
Storage Temperature	14°F-113°F
Energy	3,840Wh
Capacity @ 25A	240 min
Self-Discharge	1%-3% Per Month
Cycle Life	4000 cycles
Designed Lifespan	10 years

DIMENSIONAL SPECIFICATIONS

38.4V 100Ah

**Measured at the maximum outer points.*

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	14.37"x13.43"x9.96"
Weight	68.5 lbs
Case Material	Steel
Terminal Type	M8
Chemistry	Lithium Iron Phosphate
Shipping Classification	UN 3480, Class 9
Cells	12

SAFETY & FEATURES

Pack Under / Over Voltage	Yes
Short Circuit/Over Current	Yes
Under/Over Temperature	Yes
Bluetooth Monitoring	Yes
Sleep Mode	Yes
Dashboard Switch	Yes
Series/Parallel Connectable	NO
Cell Certification	UL1642
Battery Certifications	UN38.3, MSDS

CHARGE SPECIFICATIONS

Recommended Charge Current	<52A
Recommended Charge Voltage	31V-43.8V
BMS Charge Voltage Cut-Off	43.8V
Charge Temperature	34°F-131°F
Reconnect Voltage	41.4V
Cell Balancing	40.8V-43.8V
Charge Time @ 18A	~5.5 hrs

DISCHARGE SPECIFICATIONS

Max Continuous Discharge Current	200A
Max Discharge (180S)	300A
Max Discharge (30S)	400A
Max Discharge (3S)	600A
BMS Discharge Voltage Cut-Off	30V
Discharge Temperature	-4°F-149°F
Recovery Voltage	32.4V

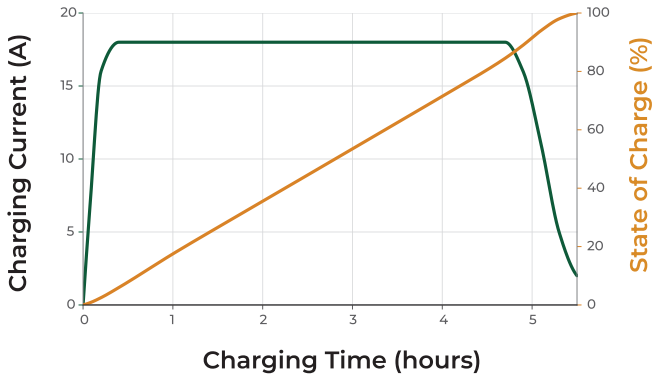
HIO BATTERY

38.4V 100Ah

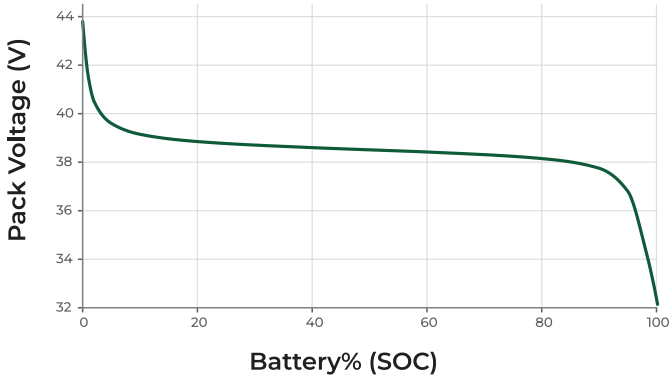
G-38100C LiFePO4 Battery Specification

10-YEAR WARRANTY

HIO Lithium Charging Curve



HIO Lithium Voltage Curve



HIO BATTERY

320 London Rd, Delaware,
OH 43015
+1 (626) 412-7068