HiO BATTERY

76.8V 105Ah

G-76105 LiFeP0₄ Battery Specification

10-YEAR WARRANTY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	76.8V
Working Voltage	64.8V-87.6V
Nominal Capacity	105Ah
Enclosure Protection	IP67
Storage Temperature	14°F-113°F
Energy	8,064Wh
Capacity @ 25A	252 min
Self-Discharge	1%-3% Per Month
Cycle Life	4000 cycles
Designed Lifespan	10 years

DIMENSIONAL SPECIFICATIONS

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**Measured at the maximum outer points.*

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	29.7"x12.53"x10.2"
Weight	148.6 lbs
Case Material	Steel
Terminal Type	M8
Chemistry	Lithium Iron Phosphate
Shipping Classification	UN 3480, Class 9
Cells	24

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	61V-87.6V
BMS Charge Voltage Cut-Off	87.6V
Charge Temperature	34°F-140°F
Reconnect Voltage	82.8V
Cell Balancing	81.6V-87.6V
Charge Time @ 18A	~5.8 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	60V
Discharge Temperature	5°F-149°F
Recovery Voltage	64.8V

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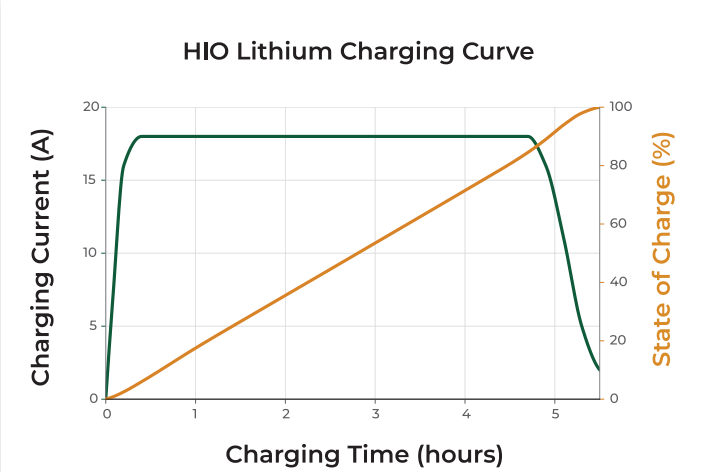
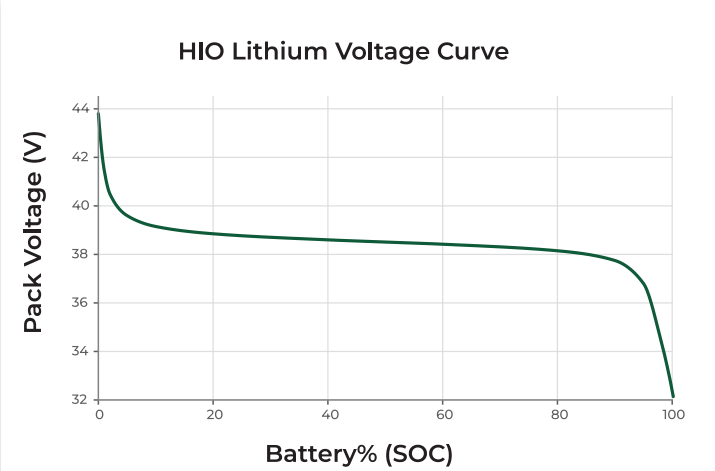
WARRANTY 10-YEAR WARRANTY





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