



DATA SHEET 51.2V168AH

Model:33-51168LH



Voltage: 51.2V | Capacity: 168Ah | Energy: 8.601.6 KWh

ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V
Nominal Capacity	160Ah
Bluetooth Enabled	Yes
Capacity @ 20A	480 min
Efficiency	99%
Self Discharge	1-3% per month
Cell Configuration	1P16S

DISCHARGE SPECIFICATIONS

Max Continuous Current	250A
Peak Discharge Current	520A±15.6A (30S)
BMS Discharge Current cut-off	260A±7.8A (50S) 520A±15.6A (30S)
BMS Discharge Voltage Cut-Off	40V
Recom. Low Voltage disconnect	48V
Reconnect Voltage	41.6V
Discharge Temperature Range	-4F <T≤ 140F

CHARGE SPECIFICATIONS

Recommended Charge Current	5-52A
Maximum charging Current	105Ah
Input Current Cut-off	375A(1S)
Recom. Charge Voltage	40V - 58.5 V
Charge Temperature Range	14F<T≤131F
BMS Charge Voltage Cut-Off	58.5V
Reconnect Voltage	<58.5V

SAFETY SPECIFICATIONS

ALL VISIBLE ON THE BOLT ENERGY BATTERY BLUETOOTH APP

Short Circuit	Yes
Low / High Temperature Discharging	Yes
Low / High Temperature Charging	Yes
Over-Current Discharging	Yes
Over-Current Charging	Yes
Pack Under / Over Voltage	Yes
Certifications	UL1642 IEC62619 (Cells) UN38.3 MSDS (Battery)
Shipping Classification	UN 3480 Class 9

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	23.98" x 11.57" x 9.69"
Weight	143 lbs
Terminal Type	M8
Terminal Material	Brass
Case Material	Steel
Enclosure Protection	IP66
Cell Type - Chemistry	Prismatic LiFePO4

BLUETOOTH FEATURES

Voltage (overall and individual cell voltages)
Remote technical support
Remaining Charge/Discharge Time
Firmware update
Current Cell Temperature
Current Amp Draw
Lifetime Power Cycles

COMMUNICATION

Bluetooth	Bluetooth receiver
BMS languages	CANBUS

Heating system

Temperature $T \leq 14F (-10^{\circ}C)$: When charging start, it will turn on heating system.
When temperature $T > 14F (-10^{\circ}C)$, charger can charge normally.

