



DATA SHEET 51.2V105AH

Model:33-51105SH



Voltage: 51.2V | Capacity: 105Ah | Energy: 5.376KWh

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	51.2V
Nominal Capacity	105Ah
Bluetooth Enabled	Yes
Capacity @ 20A	252 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)	12.8" x 12.01 x 10.42"
Weight	100.8 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≤ 14F (-10℃) : When charging start, it will turn on heating system.	
When temperature T>14F(-10℃), charger can charge normally.	

