



BB38105A-KIT-1

Voltage: 38.4V | Capacity: 105 Ah | Energy: 4.032 kWh

Features: IP67, Bluetooth, 3500+ Cycles

11 YEAR
MANUFACTURER
WARRANTY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	38.4 V
Nominal Capacity	105 Ah
Energy Stored	4.032KWh
Chemistry	LiFePO4
Cell Configuration	1P12S
Operating Voltage	30V - 43.8V
Series Parallel Connections	Max (2) in Parallel
Low-Temperature Charge Protection:	Yes
Bluetooth:	Yes
Software Updates:	Yes (Over-the-air)
Self-Heating:	No

CHARGE SPECIFICATIONS

Max Continuous Charge:	100A
Max Charge 15 Sec:	300A
Bulk/Absorption:	42.6V-43.2V
Absorption End Condition:	Stop when charge current ≤C/20 or 15 min max
Float Voltage:	Disabled (preferred) or 40.0V-40.8V
Re-bulk:	39.6V
Temperature Compensation:	0 mV/°C (none)
Equalization:	Disabled
Battery Charge Temperature Range:	0°C (32°F) / 55°C (131°F)
BMS High Voltage Cutoff:	43.8V
SoC Recalibration:	43.8V

DISCHARGE SPECIFICATIONS

Max Continuous Discharge:	200A
Max Discharge 15 Sec:	300A
Max Discharge 2 Sec:	700A
Discharge Temp Range:	-20°C (-4°F) / 60°C (140°F)

COMPLIANCE SPECIFICATIONS

Certifications	UL 1642 (Cells) UL 9540A (Cells) IEC 62619:2022 CE, RoHS
Shipping Classification	UN 38.3

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20°C(-4°F)/ 60°C(140°F)
Charge Temperature*	0°C(32°F)/ 55°C(131°F)
Recommended Storage Temperature	0°C(32°F)/ 35°C(95°F)

DIMENSIONAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	14.6 x 13.4 x 9.9"
Weight	81 lbs
Case Material	Steel
Enclosure Protection	IP67
Cell Configuration	1P12S
Life Cycle	3,500
Cell Type - Chemistry: Prismatic	LiFePO4
Terminal Type	M8 Female

