

**5 YEAR**  
6000 CYCLE  
WARRANTY



# LITHIUM ION BATTERY PACK

**ASB12024LI**

**120A | 24VDC**

**ASB12048LI**

**120A | 48VDC**



## WARRANTY

5 YEAR, 6000 CYCLE @ 80% DOD

Cell	Cycle Life
1st GEN CATL	+6000
Comms	C Rating
BMS	IC
Parallel	Safety
15 Batteries	Internal Fire Suppression
Capacity	
120 A	



## FEATURES

- First generation New CATL cells
- Low self discharge
- Parallel Up to 15 Modules
- High cycle and service life
- Easy wall mount
- Excellent high temperature performance
- Advanced BMS with current limiting function
- Compatible with most inverters and chargers
- High energy density and conversion efficiency
- Cloudlink integration ready for wifi monitoring
- Built in protection for over-charge, over-discharge & over-temperature
- CAN Bus, fully integrates and communicates with leading Inverter brands

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# LI-ION BATTERY PACK

ASB12024LI

ASB12048LI

Product Specification		
	ASB12024LI	ASB12048LI
Total Power Consumption	3.1KWh	5.76KWh
Model	25.9V120Ah	48V120Ah
Rated Capacity	Min.:120Ah	
	Typical:120Ah	
Internal Impedance	≤ 100 ohm	≤ 150 ohm
Nominal Voltage	25.9V	48V
Charging Voltage	29.2V	54.6V
Charging Method	CC & CV	
Standard Charging Process	0.2C (CC)charge to 29.2V,when 29.2V(CV) is reached, charge rate will reduce to 0.02C(A) for full charge	0.2C (CC)charge to 54V,when 54V(CV) is reached, charge rate will reduce to 0.02C(A) for full charge
Discharging Method	Constant Current Discharge	
Standard Discharge Method	Cells should be discharged at a constant current of 0.2C to 20.3 volts at 20°C ±5°C	Cells should be discharged at a constant current of 0.2C to 37.7 volts at 20°C ±5°C
Standard discharge time	≥120Ah	
Max.Continuous Discharge	120A	
Discharge Cut-Off Voltage	21V	39V
Battery Weight(MAX)	≤23KG	≤36KG
Battery Cycle Life Standard Charge & Discharge	± 6000 @ 80% DOD	± 6000 @ 80% DOD
Operating Temperature - Discharge	-20°C to 55°C	
Operating Temperature - Charge	-10°C to 50°C	
Operating Temperature - Storage	10°C to 30°C	
Float charge voltage	28.3V	52.6V
Bulk charge voltage	28.8V	53.6V
Charging	Typical 0.20 C; Maximum 1 C (can be set)	
Over voltage alarm	29.2 V (can be set)	54 V (can be set)
Low voltage alarm	22 V (can be set)	41 V (can be set)
EOD (end of discharge)	21.0V	39V

