

LiFePO4 Lithium Battery

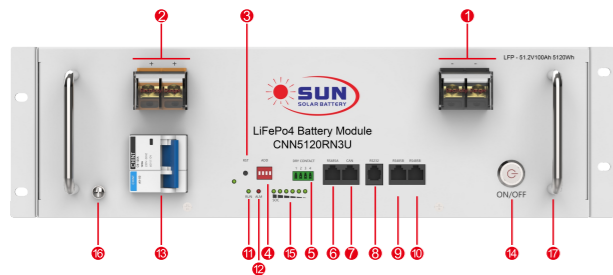
CNN5120RN3U 51.2V 100Ah-5.12kWh



Product Features

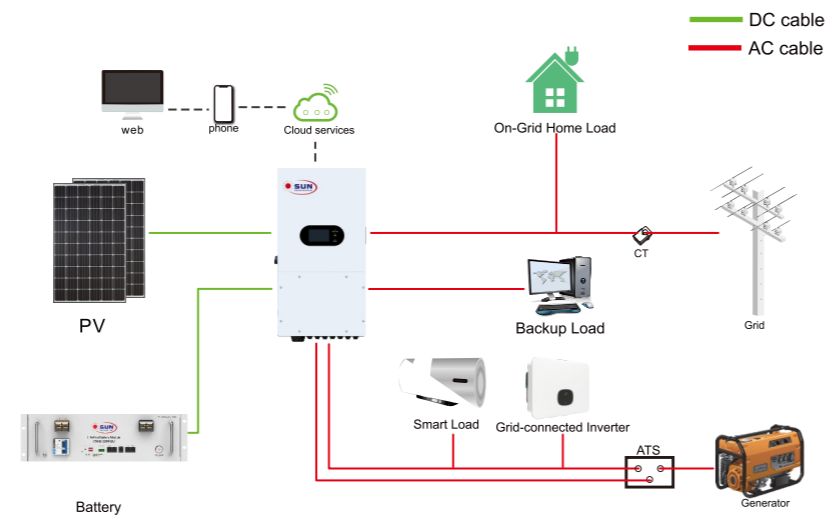
- ▶ Ultra high safe LiFePO4 battery
- ▶ Built-in BMS for multiple protection & longer lifespan
- ▶ Active balancing function and lower self-consumption
- ▶ Lightweight module design for fast installation & easy maintenance
- ▶ Parallel up to 16 modules for flexible capacity extension.
- ▶ Wide temperature range for more application scenes.

Panel Printing Description



- 1 Negative Terminal
- 2 Positive Terminal
- 3 RST
- 4 ID Address
- 5 Dry Contact
- 6 RS485A
- 7 CAN
- 8 RS232
- 9 COM1/Link Por A
- 10 COM2/Link Por B
- 11 RUN Lighting
- 12 ALM Lighting
- 13 Switch
- 14 Power Switch
- 15 SOC Lighting
- 16 Ground Wire
- 17 Metal Handle

System Connection Diagram



SPECIFICATION

Model	CNN5120RN3U 51.2V 100Ah-5.12kWh
Item	Parameters
Cell Type	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Dimensions(LxWxH)	442mm*480mm*155mm
Weight (approx.)	45KGS
Terminal Type	Through Terminal
Case Material	SPCC
BMS Built-In	Yes
Internal Resistance	<25mΩ
Efficiency – Round Trip	>95%
Self Discharge Per Month	<3%
Max.Parallel Connection Qty.	16PCS
Series Connection	Not Allowed
Cycle Life(0.2C, 25°C@80% DOD)	6000 Cycles
Discharge Temperature	- 20 - 60°C
Charge Temperature	0 - 45°C
Storage Temperature	- 10 - 30°C
Bluetooth/Wifi	Optional
Touchable LCD Screen	Optional
Automatic DIP Setting	Optional
Voltage Window	43.2-58.4V
Recommend Charge Voltage	57.6±0.20V
Max Charge Voltage	58.4±0.20V
Recommend Charge Current	50A
Max Continuous Charge Current	100A
Recommend Discharge Voltage	57.6±0.20V
Max Discharging Voltage	43.2±0.20V
Max Continuous Discharge Current	100A
Peak Discharge Current	150A @ 100ms
Other Information	
IP Level	IP20
Humidity	5%~85% RH (No condensation)
Warranty *	5 years
Certification	CE/IEC62619/UN38.3
Communication Port	RS485/CAN/Dry Contact
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection active balance, Low SOC protection