

# LiFePO4 Lithium Battery

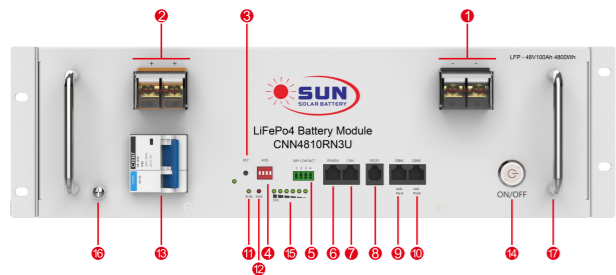
## CNN4810RN3U 48V 100Ah-4.8kWh



### Product Features

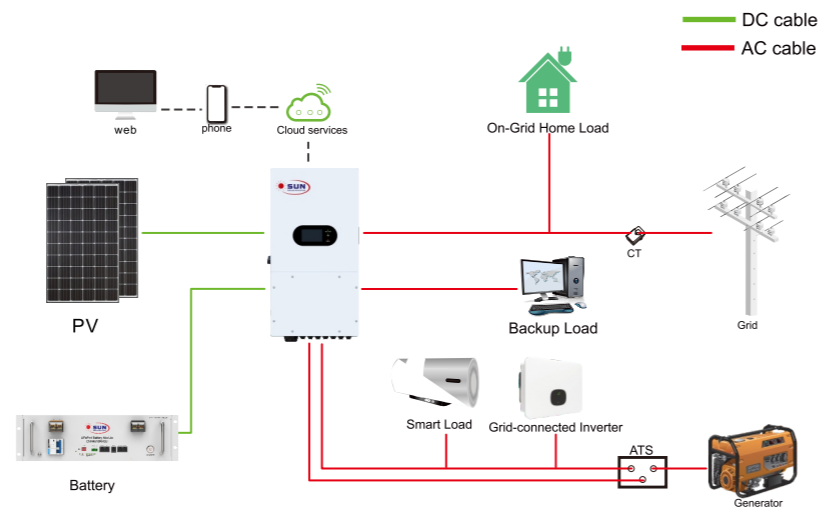
- ▶ Ultra high safe LiFePO4 battery
- ▶ Built-in BMS for multiple protection & longer lifespan
- ▶ Active balancing function and lower self-consumption
- ▶ Lightweight module design for fast installation & easy maintenance
- ▶ Parallel up to 16 modules for flexible capacity extension.
- ▶ Wide temperature 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	CNN4810RN3U 48V 100Ah-4.8kWh
Item	Parameters
Cell Type	LiFePO4
Nominal Voltage	48V
Nominal Capacity	100Ah
Nominal Energy	4.8kWh
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	40.5-54.75V
Recommend Charge Voltage	52.5±0.20V
Max Charge Voltage	54.75±0.20V
Recommend Charge Current	50A
Max Continuous Charge Current	100A
Recommend Discharge Voltage	43.5±0.20V
Max Discharging Voltage	40.5±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