# SN Low Frequency Inverter(IGBT)

**5KW/10KW/15KW/20KW**

## MAIN FEATURES

- Pure sine wave 110VAC or 220VAC
- Compatible work with LiFePO4 battery via RS485
- Low frequency(Built in strip transformer)
- Support multiple output priority:SBU,SUB
- Communication interface:RS232/RS485/Dry contact
- EQ function to optimize battery performance and extend lifecycle

## Product Specifications

| Model | | SN-5000 | SN-10K | SN-15K | SN-20K |
|---|---|---|---|---|---|
| Rated Power | | 5000W | 10000W | 15000W | 20000W |
| Battery | Rated Voltage | 96/192VDC | | 192/220/240VDC | |
| | Charge Current | 10~20A | | | |
| | Low Voltage Protection | 84/168VDC | | 168VDC | |
| | Charging Voltage | 96VDC:108VDC<br>192VDC:217VDC | | 192VDC:217VDC<br>220VDC:248VDC<br>240VDC:276VDC | |
| Input | Voltage Range | 88~132/176~264VAC | | | |
| | Frequency | 45~65Hz | | | |
| Output | Voltage Range | 110/220VAC±5%(Inversion mode) | | | |
| | Frequency | 50/60Hz±1%(Inversion mode) | | | |
| | Output Wave | Pure Sine Wave | | | |
| | Conversion Time | <10ms(Typical load) | | | |
| | Efficiency | >85%(100% Resistive Load) | >90%(100% Resistive Load) | | |
| | Overload | 110~120%/60s;120~130%/10s<br>130~150%/2s;>150%/500ms | | | |
| | Protection Function | Battery overvoltage protecion, battery undervoltage protection,overload,protection,<br>short circuit protection,overtemperature protection, etc. | | | |
| | Ambient Temperature For Operation | 0~40°C | | | |
| | Ambient Temperature For Storage | -15~50°C | | | |
| | Operation/Storage Ambient | 0~90% No Condensation | | | |
| | Product Dimensions:D*W*H(mm) | 555*368*695 | | | 655*383*795 |
| | Gross Weight (KG) | 80 | 110 | 150 | 170 |