

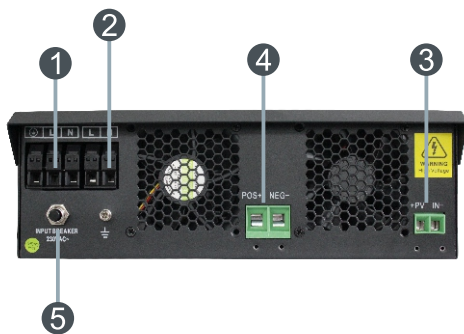
NCTS-SIRIUS series

Off Grid Inverter

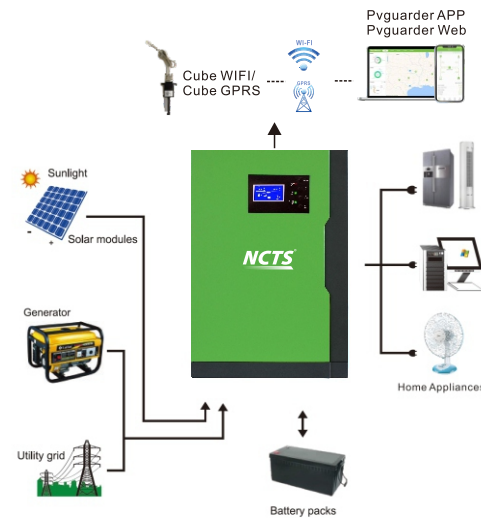


Product Features

- Pure Sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment
- Support working without battery



System connection



Overview

- 1. AC input
- 2. AC output
- 3. PV input
- 4. Battery input
- 5. Circuit breaker

Technical Specification

Model	NCTS-SIRIUS 5.5KW
Rated Power	5500VA/5500W
Input	
Voltage	230VAC
Voltage Range	170–280 VAC (for PC) or 90–280 VAC (for Home Appliances)
Frequency Range	60/50Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Bat Mode)	230Vac±5%
Surge Power	10000VA
Efficiency(Peak)	90%–93%
Transfer Time	10 ms (for Personal Computers); 20ms(for Home Appliances)
Waveform	Pure sine wave
Battery	
Battery Voltage	48 VDC
Floating Charging Voltage	54 VDC
Overcharge Protection	63 VDC
Solar Charger & AC Charger	
Solar Charge Type	MPPT
Max PV Array Open Circuit Voltage	500 VDC
Max PV Array Open Circuit Power	6000 W
MPP Range@Operating Voltage	120-450 VDC
Maximum Solar Charge Current	100 A
Maximum AC charge Current	100 A
Maximum Charge Current	100 A
PHYSICAL	
Dimension(LxWxH) mm	100x300x400
Net Weight(kgs)	10.5 kg
Communication Interface	USB/RS232
ENVIROMENT	
Humidity	5-95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C



Solar



PC



TV



Fan



Home Appliance