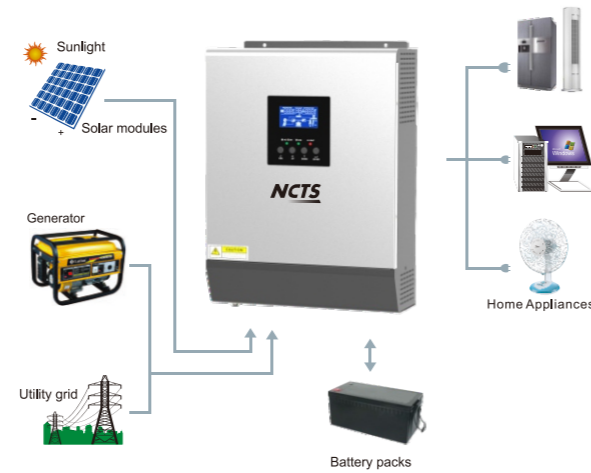


**MPPT SOLAR INVERTER**

Off Grid Inverter

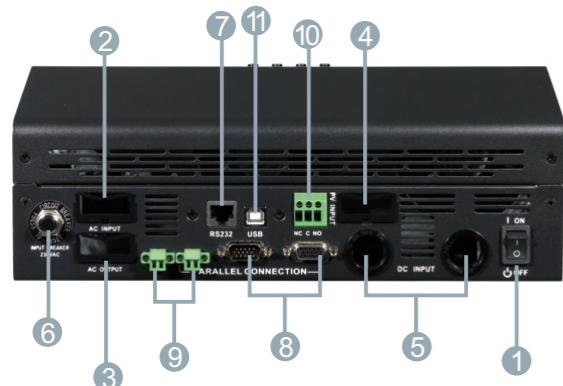


**System connection**



**Product Features**

- Pure Sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in 80 A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment



**Overview**

1. Power on/off Switch
2. AC input
3. AC output
4. PV input
5. Battery input
6. Circuit breaker
7. RS232 communication port
8. Parallel communication cable (only for parallel model)
9. Current sharing cable (only for parallel model)
10. Dry contact
11. USB communication port

**Technical Specification**

Model	NCTS-SIN5KP
Rated Power	5000VA / 5000W
Parallel Capability	Yes,9 units
<b>INPUT</b>	
Voltage	230VAC
Voltage Voltage Range	170-280 VAC (For Personal Computers ); 90-280 VAC (For Home Appliances)
Frequency Range	60/50Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Ragulation (Bat Mode)	230VAC±5%
Surge Power	10000VA
Efficiency(Peak)	90%
Transfer Time	10 ms (for Personal Computers); 20ms(for Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Maximum PV Array Power	4500W
MPPT Range @ Operating Voltage	120VDC~430VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
<b>PHYSICAL</b>	
Dimension(LxWxH) mm	120x295x468
Net Weight(kgs)	11
<b>ENVIROMENT</b>	
Humidity	5-95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

