



# NCTS-RAVEN 5KW INVERTER

## RAVEN ON/OFF GRID INVERTER

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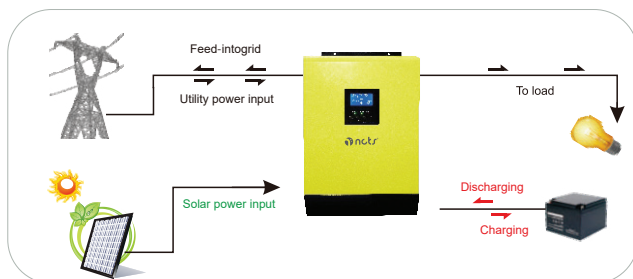
### Product Features

- Hybrid solar inverter(on/off grid inverter).
- Output power factor 1
- On-grid with energy storage
- Configurable AC/Solar charger priority via LCD setting.
- Battery equalization function to optimize battery performance and extend lifecycle
- External Wi-fi devices.
- Parallel operation with up to 9 units (45KVA)

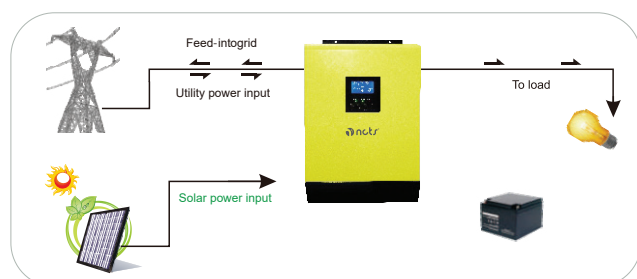


### System connection

#### With battery connected



#### Without battery connected



Solar



PC



TV



Fan



Home Appliance

# NCTS-RAVEN 5KW INVERTER

## RAVEN ON/OFF GRID INVERTER

### Technical Specifications

Model: NCTS-RAVEN 5KW INVERTER

Model		NCTS-RAVEN 5KW	
Max PV Array Power	5000W	<b>EMERGENCY OUTPUT POWER</b>	
Rated Output Power	5500W	Maximum output Power	5500W
Maximum PV Array Open Circuit Voltage		Automatic Transfer Time	<8ms
MPPT Range @ Operating Voltage	120-450VDC	<b>GENERAL</b>	
<b>GRID-TIE OPERATION</b>		INTERFACE	
GRID OUTPUT (AC)		Parallel Function	Yes
Nominal Output Voltage	220/230/240VAC	Communication	USB or RS232/Dry-Contact
Output Voltage Range	184-265VAC	<b>ENVIRONMENT</b>	
Nominal Output Current	25A/23.9A/22.9A	Humidity	0-90% RH (No Condensing)
Efficiency	UP to 93.5%	Operating Temperature	0 to 50°C
<b>OFF-GRID, HYBRID OPERATION</b>		Net Weight(KG)	11.35
GRID INPUT		Rough Weight(KG)	12.35
Acceptable Input Voltage Range	120-280VAC	Dimension (W x D x H)mm	295x468.6x120.2
Frequency Range	50Hz/60Hz(Auto sensing)		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Wave form	Pure sine wave		
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	48VDC		
Maximum Solar Charge Current	80A		
Maximum AC Charge Current	80A		
Maximum Charge Current	80A		

