

Photovoltaic DC Components

YCDPO I Off Grid Energy Storage Inverter



3.5-8KVA

Battery Optional



1kW=1kVA



Parallel



Bluetooth



General

Model: 3.5kW/5.5kW/8kW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

Key features of 3.5kW/5.5kW:

- Pure sine wave solar inverter
- Output power factor 1
- Parallel operation upto 9 units
- High PV input voltage range
- Battery independent design
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle

Key features of 8kW:

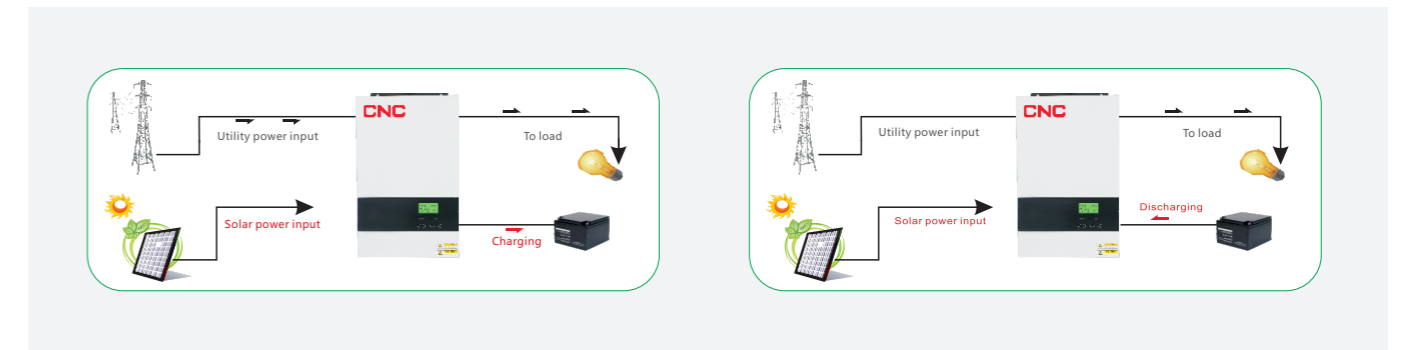
- Built-in two 5000W MPPTs, with wide input range: 120-450VDC
- Parallel 9 units
- Communication WIFI or bluetooth
- Operation without battery
- Built-in BMS
- With Touch Buttons
- Reserved communication ports (Rs232, Rs485, CAN)

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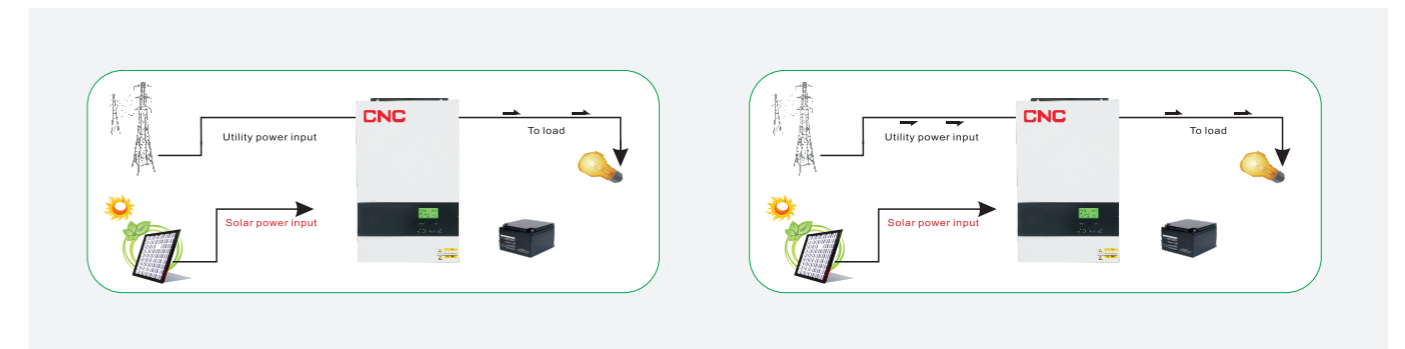
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Hybrid operation

With battery connected



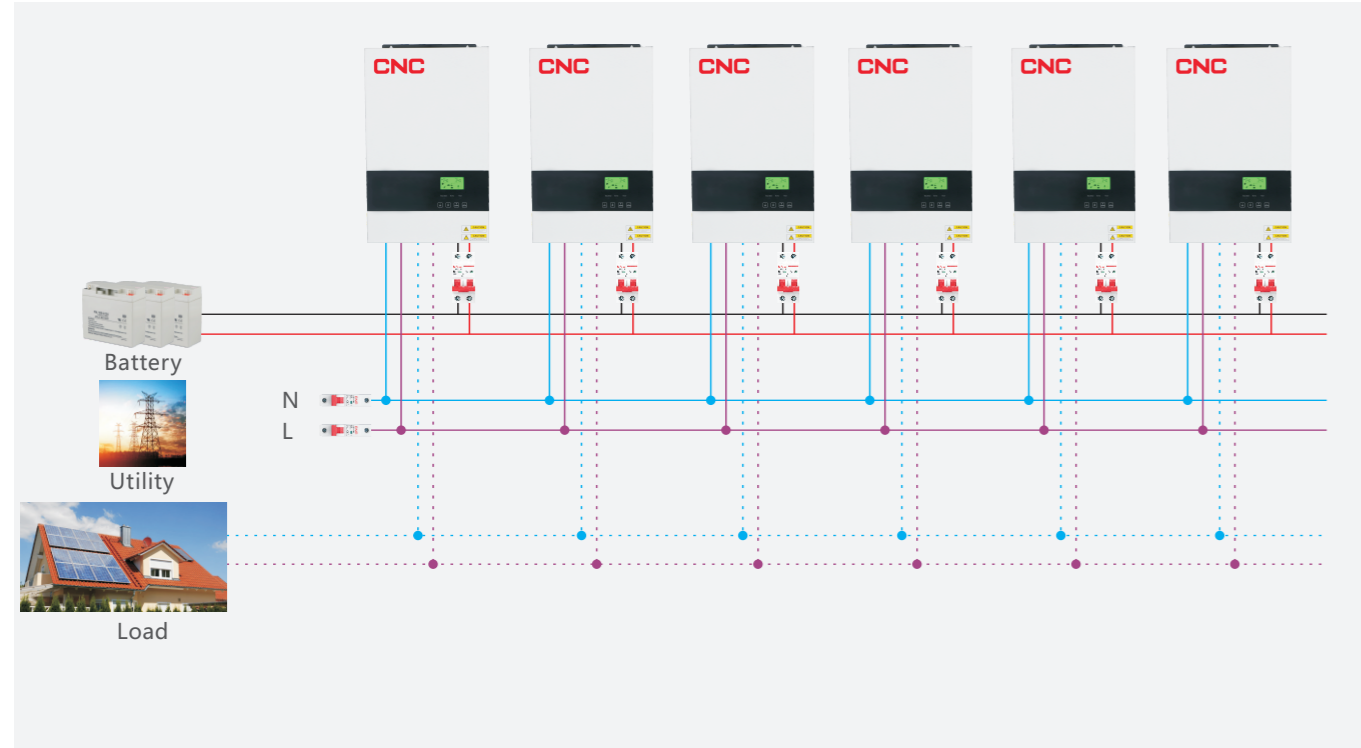
Without battery connected



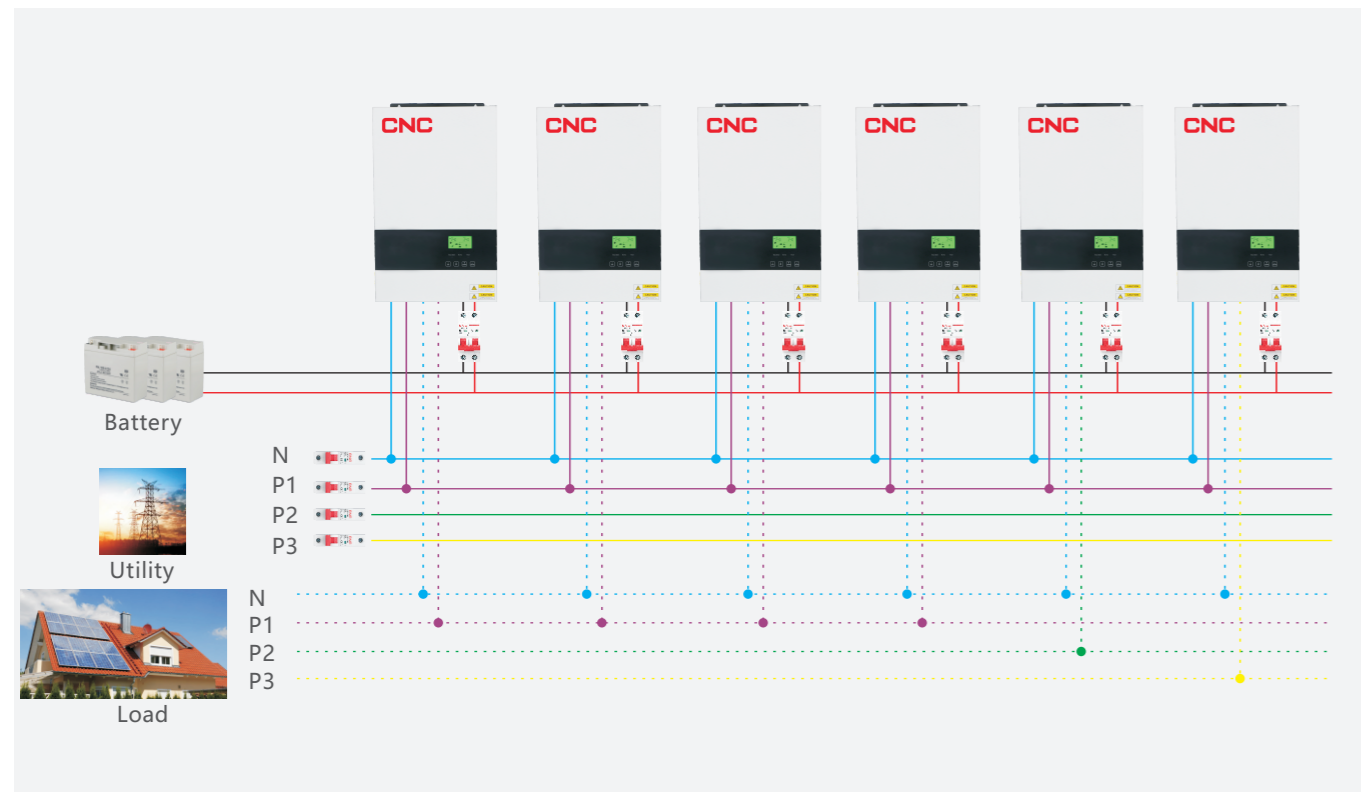
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Single phase output using 9 units(72kW)



Three phase output using either 3 units (24kW) or max 9 units (72kW)



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YCDPO I Off Grid Energy Storage Inverter

Wall mounted integrated solar inverter technical specification built-in MPPT solar controller

Model	YCDPO I 3500-24	YCDPO I 5500-48	YCDPO I 8000-48
Rated power	3500VA/3500W	5500VA/5500W	8000VA/8000W
Input			
Voltage	230VAC		
Selectable voltage range	170-280VAC(For Personal Computers); 90-280VAC(For Home Appliances)		
Frequency range	50Hz/60Hz(Auto sensing)		
Output			
AC Voltage regulation (Batt. Mode)	230VAC±5%		
Surge power	7000VA	11000VA	16000VA
Efficiency (Peak)	up to 93.5%		
Transfer time	10 ms (For Personal Computers); 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
Battery			
Battery voltage	24VDC	48VDC	48VDC
Floating charge voltage	27VDC	54VDC	54VDC
Overcharge protection	33VDC	63VDC	63VDC
Solar charger & AC charger			
Maximum PV array open circuit voltage	500VDC	500VDC	500VDC
Maximum PV array power	5500W	5500W	4000W*2
MPPT Range @ operating voltage	120~450VDC	120~450VDC	120~450VDC
Maximum solar charge current	100A	100A	120A
Maximum AC charge current	80A	80A	120A
Maximum charge current	100A	100A	120A
Physical			
Dimension, D×W×H (mm)	550×420×225		420×561.6×152.4
Net weight (kgs)	11.5	12.1	21
Communication interface	USB/RS232		
Environment			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating temperature	-10°C to 50°C		
Storage temperature	-15°C to 60°C		

Note: Product specifications are subject to change without further notice.

