

## Photovoltaic DC Components

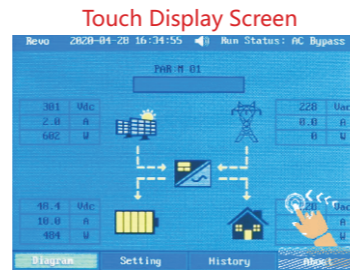
# YCDPO IV Hybrid Energy Storage Inverter

8KVA



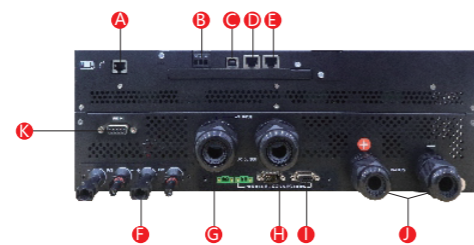
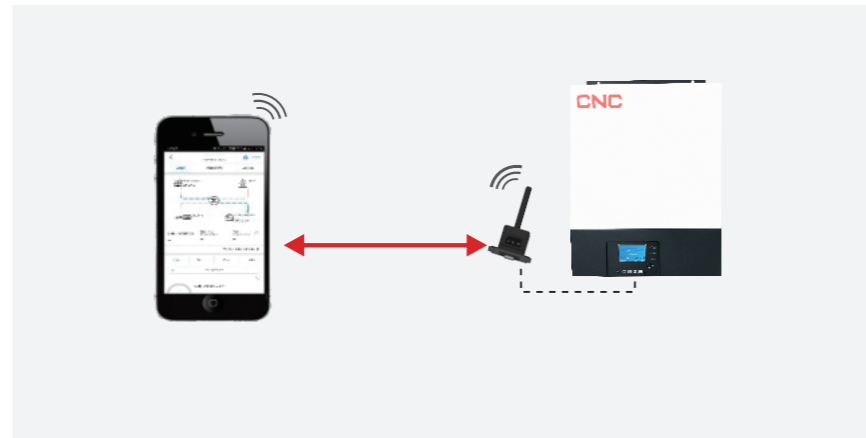
### General

Model: 8kW  
Nominal Voltage: 230VAC  
Frequency Range: 50Hz/60Hz



### Features

- Detachable touch screen control module with various communications
- PV and utility power the load at the same time ( can be set )
- Output power factor PF=1.0
- Energy generated record, load record, history information and fault record
- Support Peak-Valley Charge
- Parallel operation up to 6 units
- Built-in two 5000W MPPTs, with wide input range: 120-450VDC
- Reserved communication ports (RS232,RS485,CAN)



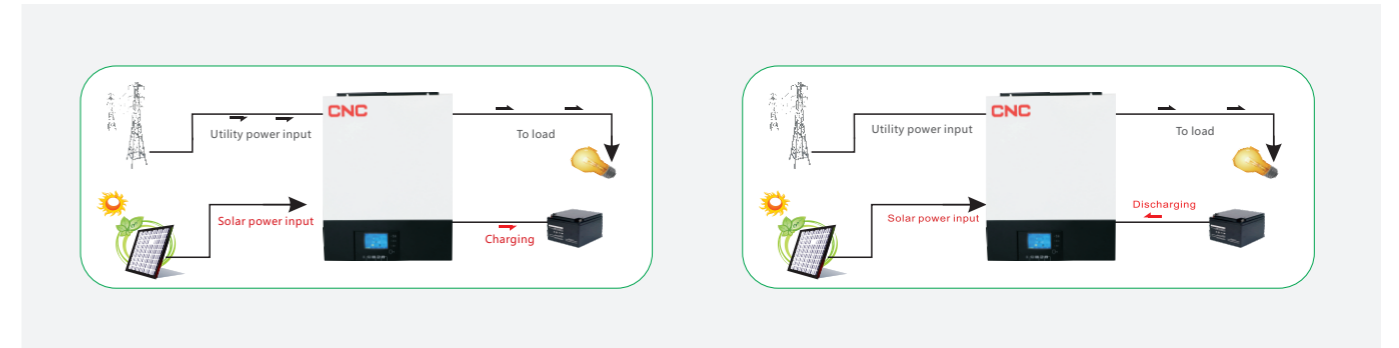
- Ⓐ Removable screen port
- Ⓑ Generator dry contactor
- Ⓒ USB
- Ⓓ For BMS (Rs485 or CAN)
- Ⓔ Rs232
- Ⓕ PV Input 1 and PV Input 2
- Ⓖ AC Input
- Ⓗ AC output
- Ⓘ Parallel port
- Ⓝ Battery Input
- Ⓚ WIFI port

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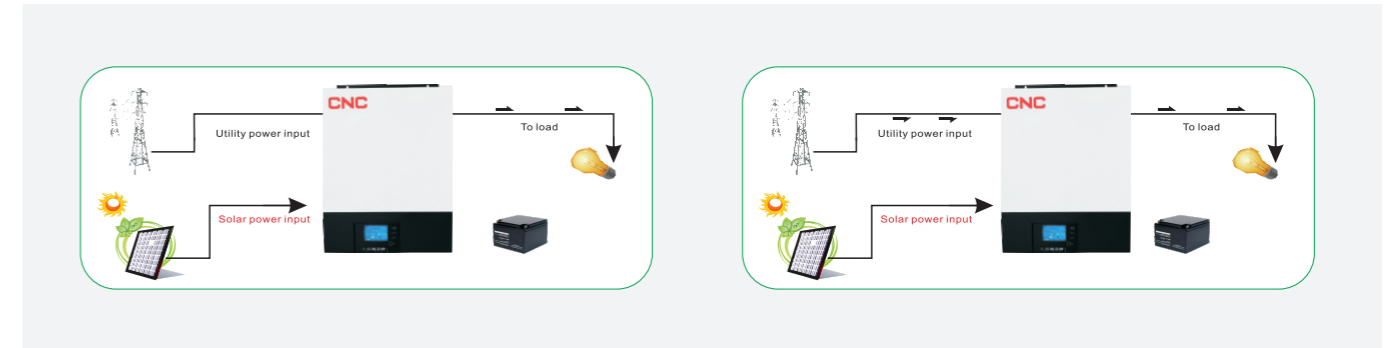
# YCDPO IV Hybrid Energy Storage Inverter

### Hybrid operation

With battery connected



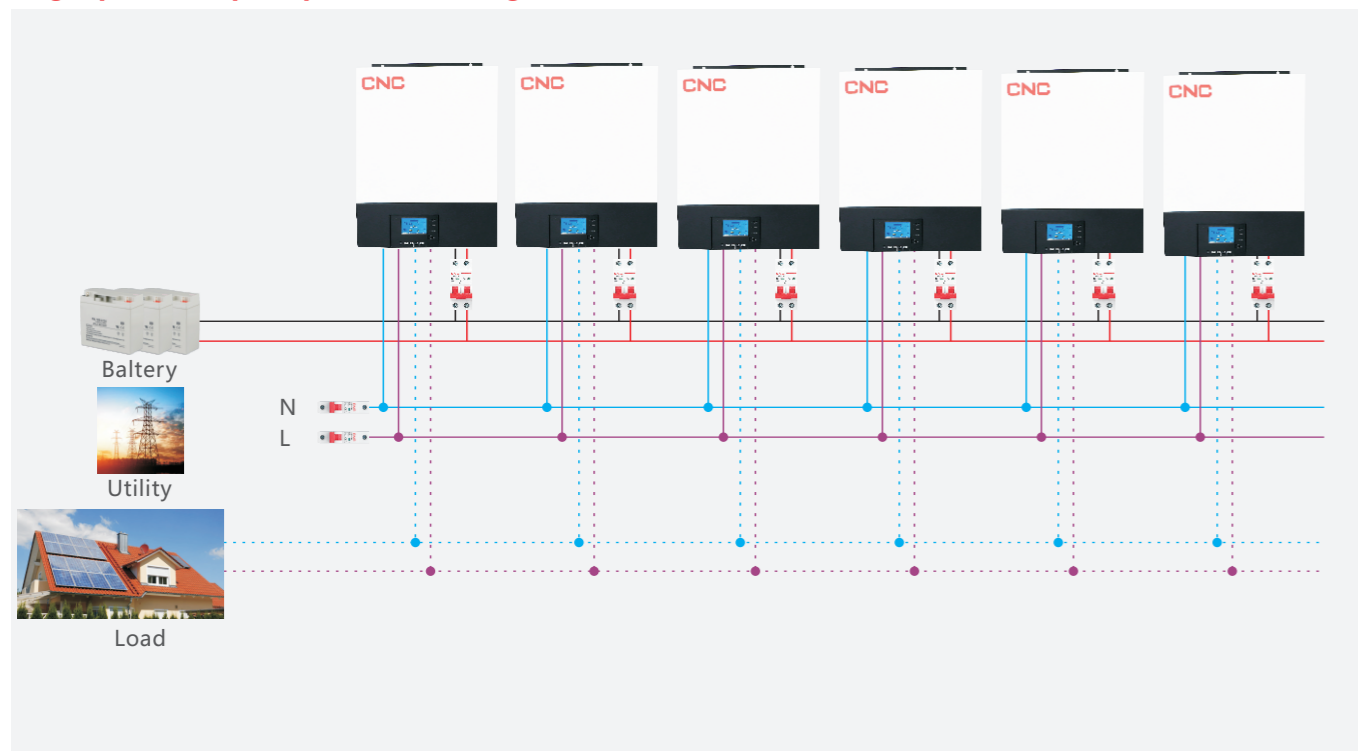
Without battery connected



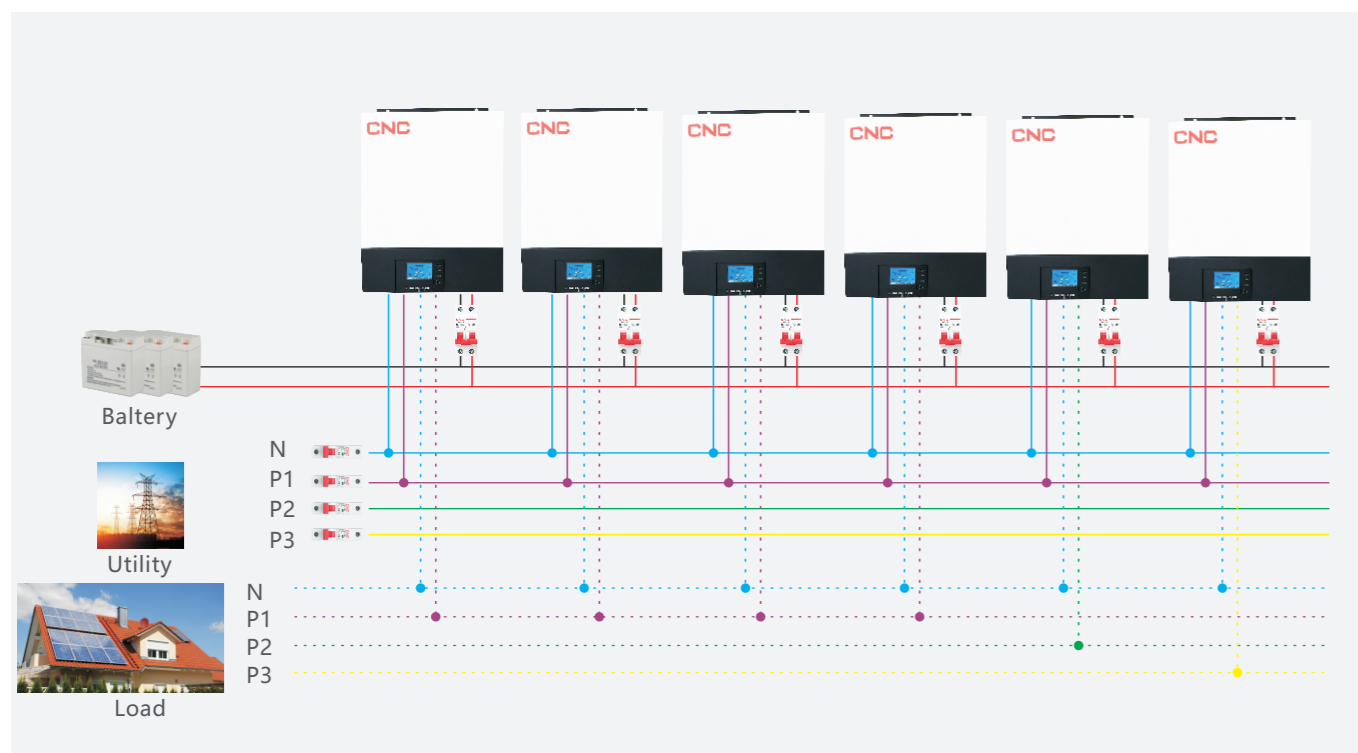
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### YCDPO IV Hybrid Energy Storage Inverter

Single phase output up to 48kW using 6 units



Three phase output using either 3 units(24KW)or max 6 units(48KW)



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### YCDPO IV Hybrid Energy Storage Inverter

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

Model	YCDPO IV 8000
Rated power	8000VA. 8000W
<b>Input</b>	
Voltage	230VAC
Selectable voltage range	170-280VAC (For Personal Computers); 90-280VAC (For Home Appliances)
Frequency range	50Hz/60Hz (Auto sensing)
<b>Output</b>	
AC Voltage regulation (Batt. Mode)	230VAC ±5%
Surge power	16000VA
Efficiency (Peak)	up to 93.5%
Transfer time	10ms (For Personal Computers); 20ms (For Home Appliances)
Waveform	Pure sine wave
<b>Battery</b>	
Battery voltage	48VDC
Floating charge voltage	54VDC
Overcharge protection	63VDC
<b>Solar charger &amp; AC charger</b>	
Maximum PV array open circuit voltage	500VDC
Maximum PV array power	5000W×2
MPPT Range @ operating voltage	120~450VDC
Maximum solar charge current	160A
Maximum AC charge current	120A
Maximum charge current	160A
<b>Physical</b>	
Dimension, D×W×H (mm)	420×561.6×152.4
Net weight (kgs)	21
Communication interface	USB/RS232
<b>Environment</b>	
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.