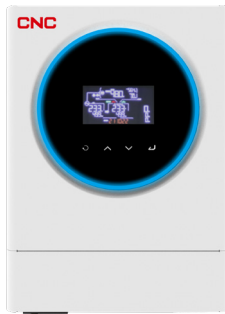


Photovoltaic Inverter

YCDPO-I Hybrid Grid Energy Storage Inverter



General

YCDPO-I hybrid grid energy storage inverter, input voltage range DC60~450V, output AC pure sine wave AC230V 50/60HZ, can drive 4~11KW single-phase load.

Features

1. Built-in two MPPT(6KW-11kW).with wide PV input range:60-450VDC
2. Configurable AC/PV output usage time and prioritization
3. YCDPO I series is suitable for on & off-grid applications
4. Battery equalization function extend life cycleReserved communicationport(RS485,CAN) for BMS
5. Parallel operation up to 6 units
6. Communication WiFi or bluetooth
Touchable button with large 5" colorful LCD

Type designation

YCDPO I - 4000 / 24

Product name	Rated power(W)	Battery charging voltage
YCDPO I	4000	24
YCDPO I	4000 6000 8000 11000	24 48

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Technical data

Model	YCDPO I-4000-24	YCDPO I-6000-48	YCDPO I-8000-48	YCDPO I-11000-48
Rated Power(W)	4000VA/4000W	6000VA/6000W	8000VA/8000W	11000VA/11000 W
AC INPUT				
Nominal Voltage(VAC)	230VAC			
Voltage range(VAC)	170~280VAC / 90~280VAC			
Frequency range(Hz)	50/60Hz			
AC OUTPUT				
Surge power	8000	12000	16000	22000
Output voltage(VAC)	220/230/240			
Output wave form	Pure sine wave			
Rated Frequency(Hz)	50/60			
Efficiency	93% max			
Transfer time	10ms typical(narrow range);20ms typical (wide range)			
BATTERY				
Nominal DC voltage(VDC)	24	48		
Floating charge voltage(VDC)	27	54		
Overcharge protection(VDC)	31	63		
Battery type	Lithium & Lead-acid			
SOLAR CHARGER & AC CHARGER				
Max.PV array open circuit voltage(VDC)	500			
Max.PV array power(W)	5000	7000	10000W(5000*2)	11000W(5500*2)
MPPT input voltage range@operating(VDC)	60-450			
Max.input current(A)	27	27*2(Max 40A)		
Max.solar charging current(A)	120	150	150	150
Max.AC charging current(A)	100	120	150	150
Max.charging current(A)	120	150	150	150
DISPLAY INTERFACE				
Parallel function	up to 6 units			
Communication	Standard:RS232,CAN&RS485;Optional:WiFi,Bluetooth			
Display	5"colorful LCD			
ENVIRONMENT				
Humidity	5~90%RH (No Condensing)			
Operating Temperature	-10°C to 50°C			
Net Weight(KG)	9	10	18.8	20
Dimensions D x W x H(mm)	434*311*126.5		420*561.6*152.4	

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Schematic diagram of the product connection

