

Photovoltaic Inverter

YCDPO-V Off-grid Energy Storage Inverter



General

YCDPO-V off-grid energy storage inverter, the input voltage range is 115V, the output AC pure sine wave AC230V 50/60HZ, can drive 1.2~5KW single-phase load

Features

1. Pure sine wave MPPT solar inverter Built-in 50/65A MPPT solar charger
2. Battery equalization function extend lifecycle
3. YCDPO-V series is suitable for off-grid applications
4. Equalization function

Type designation

YCDPO V - 1200 / 12

| Product name | Rated power(W) | Battery charging voltage |
|--------------|--------------------------------------|--------------------------|
| YCDPO V | 1200 | 12 |
| YCDPO V | 1200 2200 3000 3200 5000 | 12 24 48 |

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Technical data

| Model | YCDPO V-1200-12 | YCDPO V-2200-24 | YCDPO V-3200-24 | YCDPO V-5000-48 |
|--|--|-----------------|-----------------|-----------------|
| Rated Power | 1200VA/1200W | 2200VA/2200W | 3200VA/3200W | 5000VA/5000W |
| AC INPUT | | | | |
| Nominal Voltage(VAC) | 230VAC | | | |
| Selectable Voltage Range | 170-280VAC (For Personal Computers);90-280 VAC (For Home Appliances) | | | |
| Frequency Range | 50/60Hz(Auto sensing) | | | |
| AC OUTPUT | | | | |
| Output voltage(VAC) | 230VAC±5% | | | |
| Surge Power | 2000VA | 4000VA | 6000VA | 10000VA |
| Rated Frequency(Hz) | 50/60 | | | |
| Efficiency | 93% | | | |
| Transfer time | 10ms(For Personal Computers);20ms(For Home Appliances) | | | |
| BATTERY | | | | |
| Battery Voltage(VDC) | 12 | 24 | | 48 |
| Floating Charge Voltage(VDC) | 13.5 | 27 | | 54 |
| Overcharge Protection(VDC) | 16 | 31 | 33 | 63 |
| SOLAR CHARGER & AC CHARGER | | | | |
| Max.PV array open circuit voltage(VDC) | 102 | 102 | 102 | 145 |
| Max.PV array power(W) | 700 | 1400 | 1800 | 3000 |
| MPPT input voltage range@ operating(VDC) | 15-80 | 30-80 | 30-80 | 60-115 |
| Max.solar charging current(A) | 50 | | 65 | 60 |
| Max.AC charging current(A) | 20 | | 25 | 60 |
| Max.charging current(A) | 60 | | 70 | 120 |
| ENVIRONMENT | | | | |
| Humidity | 5% to 95% RH (Non-condensing) | | | |
| Operating Temperature | -10°C to 50°C | | | |
| Altitude | (2000m Derating) | | | |
| Net Weight(KG) | 4.4 | 5 | 6.5 | 9.7 |
| Dimensions D x W x H(mm) | 103*225*320 | 103*225*330 | 118*285*360 | 100*300*440 |
| COMMUNICATION | | | | |
| Interface | Standard:RS232 | | | |
| Safety standard | EN/IEC62109-1,EN/IEC62109-2 | | | |

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Schematic diagram of the product connection

