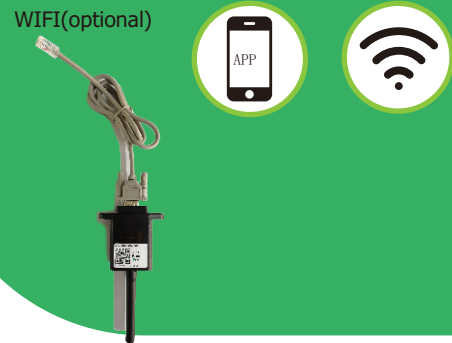


# YW SERIES

## Hybrid Solar Inverter

WIFI(optional)

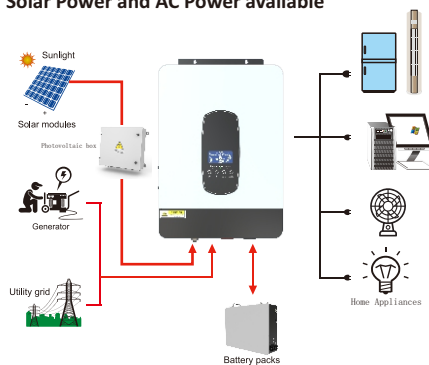


### »» Features

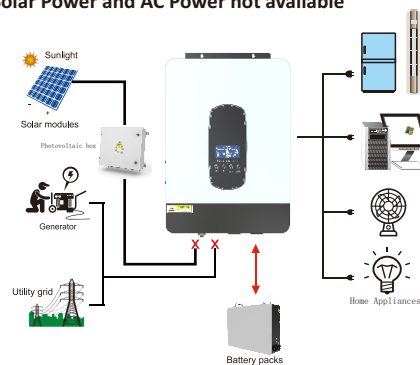
- Pure sine wave inverter
- Programmable supply priority for PV,battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.6KW&6.2KW) MPPT solar charge
- Compatibe with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload,high temperature,inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android

### »» Solar System Connection

#### ■ Operation with battery connected Solar Power and AC Power available



#### Solar Power and AC Power not available



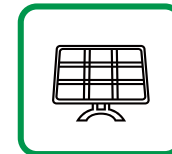
### »» Overview



YW-2200  
YW-3200



YW-4000  
YW-7000



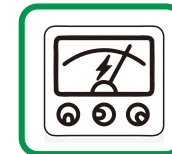
**Max PV Input**  
2000W/3000W  
5000W/6000W



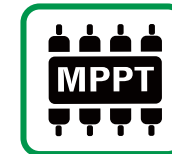
**Max PV  
Voltage 450VDC**



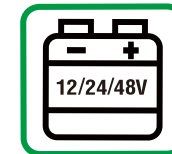
**Max PV Input  
Current 27 A**  
(For 3.6KW/6.2KW)



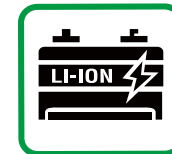
**MPPT Range  
55 ~ 450VDC**



**MPPT  
Controller**



**12/24/48 Volt**



**Works with  
Lithium battery**



**AC Output**  
1800W/3000W  
3600W/6200W



**Max Charging  
Current 80/110A**



**Monitor &  
Control  
(Optional)**



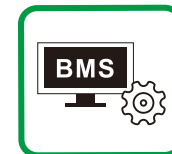
**Communication  
Port  
RS232/RS485**



**Pure Sine  
Wave Inverter**



**Wi-Fi Option**



**BMS**

### »» Product Data Sheet

| MODEL                                 | YW-2200                                                              | YW-3200      | YW-4200       | YW-7000       |
|---------------------------------------|----------------------------------------------------------------------|--------------|---------------|---------------|
| Rated Power                           | 2200VA/1800W                                                         | 3200VA/3000W | 4200VA/3800W  | 7000VA/6200W  |
| INPUT                                 |                                                                      |              |               |               |
| Voltage                               | 230VAC                                                               |              |               |               |
| Selectable Voltage Range              | 170-280VAC(for personal computers)<br>90-280VAC(for home appliances) |              |               |               |
| Frequency Range                       | 50Hz/60Hz (Auto sensing)                                             |              |               |               |
| OUTPUT                                |                                                                      |              |               |               |
| AC Voltage Regulation (Batt.Mode)     | 230VAC±5%                                                            |              |               |               |
| Surge power                           | 4400VA                                                               | 6400VA       | 8000VA        | 14000VA       |
| Transfer Time                         | 10ms (for personal computers)<br>20ms (for home appliances)          |              |               |               |
| Wave form                             | Pure Sine Wave                                                       |              |               |               |
| BATTERY & AC CHARGER                  |                                                                      |              |               |               |
| Battery Voltage                       | 12VDC                                                                | 24VDC        | 24VDC         | 48VDC         |
| Floating Charge Voltage               | 13.5VDC                                                              | 27VDC        | 27VDC         | 54VDC         |
| Overcharge Protection                 | 15.5VDC                                                              | 31VDC        | 31VDC         | 61VDC         |
| Maximum charge current                | 60A                                                                  |              | 80A           |               |
| SOLAR CHARGER                         |                                                                      |              |               |               |
| MAX.PV Array Power                    | 2000W                                                                | 3000W        | 6000W         | 6000W         |
| MPPT Range@ Operating Voltage         | 55-450VDC                                                            |              |               |               |
| Maximum PV Array Open Circuit Voltage | 450VDC                                                               |              |               |               |
| Maximum Charging Current              | 80A                                                                  |              | 110A          |               |
| Maximum Efficiency                    | 98%                                                                  |              |               |               |
| PHYSICAL                              |                                                                      |              |               |               |
| Dimension.D*W*H(mm)                   | 405x286x98mm                                                         |              | 423x290x100mm | 423x310x120mm |
| Net Weight (kgs)                      | 4.5kg                                                                | 5.0kg        | 7.0kg         | 8.0kg         |
| Communication Interface               | RS232/RS485(Standard)<br>GPRS/WIFI(Optional)                         |              |               |               |
| OPERATING ENVIRONMENT                 |                                                                      |              |               |               |
| Humidity                              | 5% to 95% Relative Humidity(Non-condensing)                          |              |               |               |
| Operating Temperature                 | -10°C to 55°C                                                        |              |               |               |
| Storage Temperature                   | -15°C to 60°C                                                        |              |               |               |