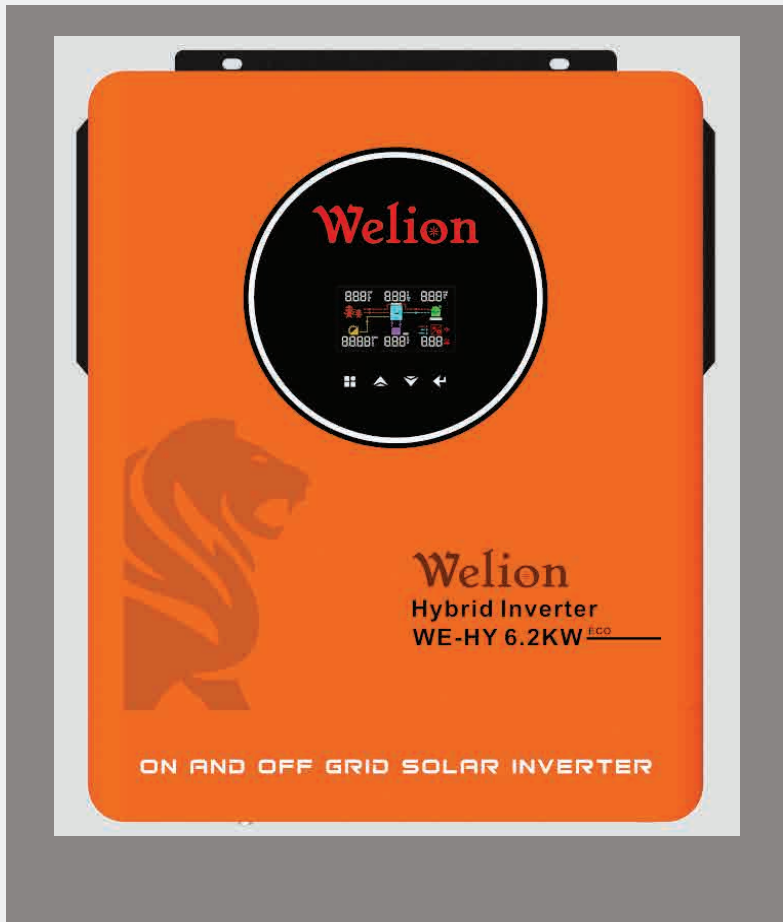




## Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT Solar charge:max 6200W(for 3.6KW/4.2KW) max 6500W (for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

| MODEL                          | ORANGE ECO-3.6KW PLUS | ORANGE ECO -4.2KW PLUS | ORANGE ECO -6.2KW PLUS |
|--------------------------------|-----------------------|------------------------|------------------------|
| Phase                          | 1-phase               |                        |                        |
| Maximum PV Input Power         | 6200W                 | 6200W                  | 6500W                  |
| Rated Output Power             | 3600W                 | 4200W                  | 6200W                  |
| Maximum Solar Charging Current | 120A                  |                        |                        |

### GRID-TIE OPERATION

#### PV INPUT (DC)

|                                            |             |  |       |
|--------------------------------------------|-------------|--|-------|
| Nominal DC Voltage/Maximum DC Voltage      | 360/500VDC  |  |       |
| Start-up Voltage / Initial Feeding Voltage | 60VDC/90VDC |  |       |
| MPPT Voltage Range                         | 60~450VDC   |  |       |
| Maximum Input Current                      | 1/18A       |  | 1/22A |

| GRID OUTPUT (AC)                           |                                               |       |       |
|--------------------------------------------|-----------------------------------------------|-------|-------|
| Nominal Output Voltage                     | 220/230/240VAC                                |       |       |
| Output Voltage Range                       | 195.5~253VAC                                  |       |       |
| Nominal Output Current                     | 15.7A                                         | 18.2A | 27.0A |
| Power Factor                               | >0.99                                         |       |       |
| EFFICIENCY                                 |                                               |       |       |
| Maximum Conversion Efficiency (DC/AC)      | 98%                                           |       |       |
| TWO LOAD OUTPUT POWER                      |                                               |       |       |
| Full Load                                  | 3600W                                         | 4200W | 6200W |
| Maxium Main Load                           | 3600W                                         | 4200W | 6200W |
| Maxium Second Load(battery mode)           | 1200W                                         | 1400W | 2067W |
| Maxium Load Cut Off Voltage                | 26VDC                                         | 26VDC | 52VDC |
| Maxium Load Return Voltage                 | 27VDC                                         | 27VDC | 54VDC |
| OFF-GRID OPERATION                         |                                               |       |       |
| AC INPUT                                   |                                               |       |       |
| AC Start-up Voltage / Auto Restart Voltage | 120-140VAC/180VAC                             |       |       |
| Acceptable Input Voltage Range             | 90-280VAC or 170-280VAC                       |       |       |
| Frequency Range                            | 49~51±1HZ                                     |       |       |
| Maximum AC Input Current                   | 30A                                           | 30A   | 40A   |
| PV INPUT (DC)                              |                                               |       |       |
| Nominal DC Voltage/Maximum DC Voltage      | 360/500VDC                                    |       |       |
| MPPT Voltage Range                         | 60~450VDC                                     |       |       |
| Maximum Input Current                      | 1/18A                                         |       | 1/22A |
| BATTERY MODE OUTPUT (AC)                   |                                               |       |       |
| Nominal Output Voltage                     | 220/230/240VAC                                |       |       |
| Output Waveform                            | Pure sine wave                                |       |       |
| Efficiency (DC to AC)                      | 94%                                           |       |       |
| BATTERY & CHARGER                          |                                               |       |       |
| Nominal DC Voltage                         | 24VDC                                         |       | 48VDC |
| Maximum Solar Charging Current             | 120A                                          | 140A  | 120A  |
| Maximum AC Charging Current                | 100A                                          | 100A  | 100A  |
| Maximum Charging Current                   | 120A                                          | 140A  | 120A  |
| HYBRID OPERATION                           |                                               |       |       |
| PV INPUT (DC)                              |                                               |       |       |
| Nominal DC Voltage/Maximum DC Voltage      | 360/500VDC                                    |       |       |
| Start-up Voltage / Initial Feeding Voltage | 90VDC/120VDC                                  |       |       |
| MPPT Voltage Range                         | 60~450VDC                                     |       |       |
| Maximum Input Current                      | 1/18A                                         |       | 1/22A |
| GRID OUTPUT (AC)                           |                                               |       |       |
| Nominal Output Voltage                     | 220/230/240VAC                                |       |       |
| Output Voltage Range                       | 195.5~253VAC                                  |       |       |
| Nominal Output Current                     | 15.7A                                         | 18.2A | 27.0A |
| AC INPUT                                   |                                               |       |       |
| AC Start-up Voltage / Auto Restart Voltage | 120-140VAC/180VAC                             |       |       |
| Acceptable Input Voltage Range             | 90-280VAC or 170-280VAC                       |       |       |
| Maximum AC Input Current                   | 30A                                           | 30A   | 40A   |
| Maximum AC Charging Current                | 100A                                          |       |       |
| GENERAL                                    |                                               |       |       |
| PHYSICAL                                   |                                               |       |       |
| Dimension, D x W x H (mm)                  | 420*350*110                                   |       |       |
| Carton Dimension,D X W XH(mm)              | 500*415*180                                   |       |       |
| Net Weight (kgs)                           | 8                                             | 8.5   | 9     |
| Gross Weight(kgs)                          | 9                                             | 9.5   | 10    |
| INTERACE                                   |                                               |       |       |
| Communication Port                         | RS232/RS485/WIFI/GPRS/LITHIUM BATTERY         |       |       |
| ENVIRONMENT                                |                                               |       |       |
| Humidity                                   | 5% to 95% Relative Humidity(Non ~ condensing) |       |       |
| Operating Temperature                      | -10℃ ~ 50℃                                    |       |       |
| STANDARD                                   |                                               |       |       |
| Compliance Safety                          | CE                                            |       |       |