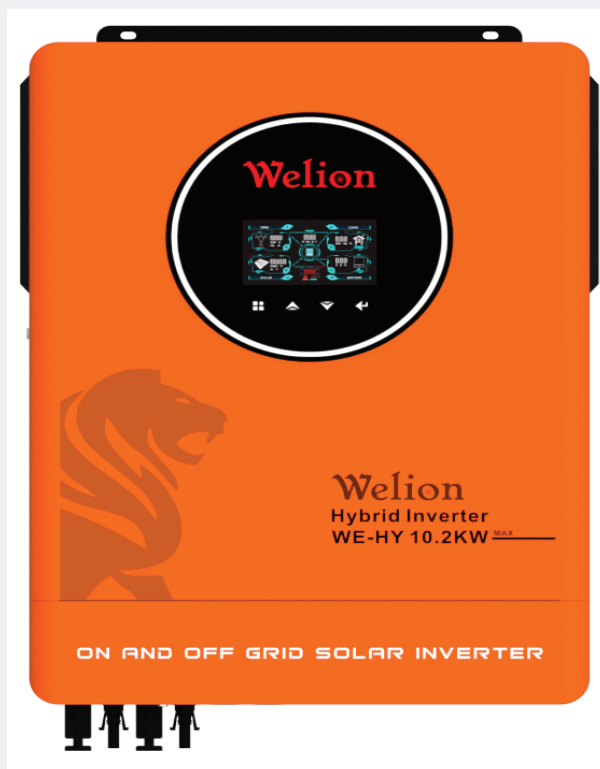
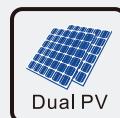
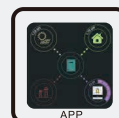
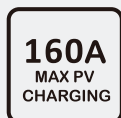




LCD Display



Dual PV LCD Display



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 160A MPPT solar charger (for 8.2kw,10.2kw), 140A(for 7.2kw)
- High PV input voltage range(90~ 500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode

MODEL	ORANGE ECO -7.2KW	ORANGE ECO -8.2KW		ORANGE ECO -10.2KW	
Phase	1-phase				
Maximum PV Input Power	8200W	8200W	5400W+5400W	10200W	5400W+5400W
Rated Output Power	7200W/7200VA	8200W/8200VA		10200W/10200VA	
Maximum Solar Charging Current	140A	160A		160A	

GRID-TIE OPERATION

PV INPUT (DC)

Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC				
MPPT Voltage Range	90~450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A

GRID OUTPUT (AC)					
Nominal Output Voltage	220/230/240VAC				
Output Voltage Range	190~253VDC				
Nominal Output Current	31.3A	35.6A		44.3A	
Power Factor	>0.99				
EFFICIENCY					
Maximum Conversion Efficiency (DC/AC)	98%				
TWO LOAD OUTPUT POWER					
Full Load	7200W	8200W		10200W	
Maxium Main Load	7200W	8200W		10200W	
Maxium Second Load(battery mode)	2400W	2733W		3400W	
Maxium Load Cut Off Voltage	52VDC	52VDC		52VDC	
Maxium Load Return Voltage	54VDC	54VDC		54VDC	
OFF-GRID OPERATION					
AC INPUT					
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC				
Acceptable Input Voltage Range	90-280VACor170-280VAC				
Frequency Range	49~51±1HZ				
Maximum AC Input Current	40A	40A		50A	
PV INPUT (DC)					
Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
MPPT Voltage Range	90~450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A
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	48VDC				
Maximum Solar Charging Current	140A	160A		160A	
Maximum AC Charging Current	120A	140A		140A	
Maximum Charging Current	140A	160A		160A	
HYBRID OPERATION					
PV INPUT (DC)					
Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC				
MPPT Voltage Range	90~450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A
GRID OUTPUT (AC)					
Nominal Output Voltage	220/230/240VAC				
Output Voltage Range	190~253VDC				
Nominal Output Current	31.3A	35.6A		44.3A	
AC INPUT					
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC				
Acceptable Input Voltage Range	90-280VACor170-180VAC				
Maximum AC Input Current	40A	40A		50A	
Maximum AC Charging Current	120A	140A		140A	
GENERAL					
PHYSICAL					
Dimension, D x W x H (mm)	500*390*130	500*390*130	530*420*160	500*390*130	530*420*160
Carton Dimension,D X W XH(mm)	588*463*205		618*463*205	588*463*205	618*463*205
Net Weight (kgs)	13.6	14.5	14.6	14.8	15
Gross Weight(kgs)	14.9	16	16.1	16.2	16.5
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				