



GOLD SERIES INVERTER



HYBRID OFF GRID INVERTER



Features

- Pure sine wave solar inverter
- WIFI&GPRS available for IOS and Android
- Built-in 80A MPPT solar charger
- High PV input voltage range(30~400VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet rich customized demands
- Compatible with lithium battery
- Solar energy is provided directly to the load first



TECHNICAL SPECIFICATIONS

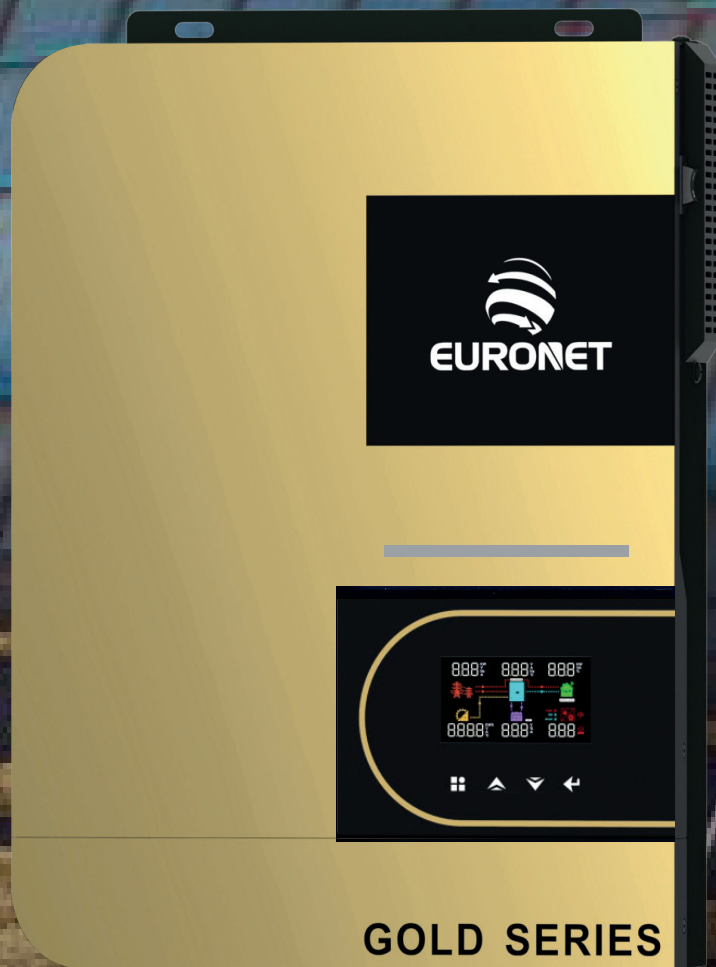
MODEL	EU IN 1.0 KW	EU IN 1.6 KW	EU IN 3.2 KW
Rated Power	1500W/1500VA	2000VA/1600W	3200VA/3000W
AC INPUT			
Voltage	230VAC		
Selectable Voltage Range	170~280VAC(For Personal Computers)		
	90~280VAC(For Home Appliances)		
Frequency Range	50 Hz/60Hz(Auto sensing)		
AC OUTPUT			
AC Voltage Regulation	230VAC $\pm$ 5%		
Surge Power	3000VA	4000VA	6400VA
Efficiency(Peak) PV to INV	98%		
Efficiency(Peak) Battery to INV	94%		
Transfer Time	10 ms(For Personal Computers); 20 ms (For Home Appliances)		
BATTERY			
Battery Voltage	24VDC	12VDC	24VDC
Floating Charge Voltage	27VDC	13.5VDC	27VDC
Overcharge Protection	32VDC	16VDC	33VDC
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Power	1200W	2000W	3000W
MPPT Range @ Operating Voltage	30~150VDC	30~400VDC	30~400VDC
Maximum PV Array Open Circuit Voltage Solar	150VDC	400VDC	400VDC
Max Input Current		1/13A	1/13A
Maximum Solar Charging Current	40A	80A	80A
Maximum AC Charging Current	40A	60A	60A
Maximum Solar+AC Charging Current	80A	80A	80A
PHYSICAL			
Dimension. H*W*D(mm)	290*240*91	357*273*95	357*273*95
Cartoon Dimension ,H*W*D(mm)	340*295*145	435*335*165	435*335*165
Net Weight(kgs)	3.6	4.6	4.8
Gross Weight(kgs)	4.2	5.6	5.8
Communication Interface	RS232/GPRS/WIFI		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non~condensing)		
Operating Temperature	-10°C to 50°C		
STANDARD			
Compliance Safety	CE		

HYBRID ON/OFF GRID INVERTER



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
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120A MPPT Solar charge:max 6200W (for 3.6KW/4.2KW),max 6500W (for 6.2KW)
- Built-in 80A MPPT Solar charge max 6500W (for 3.6KW/48V)
- 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



TECHNICAL SPECIFICATIONS

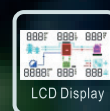
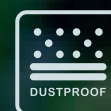
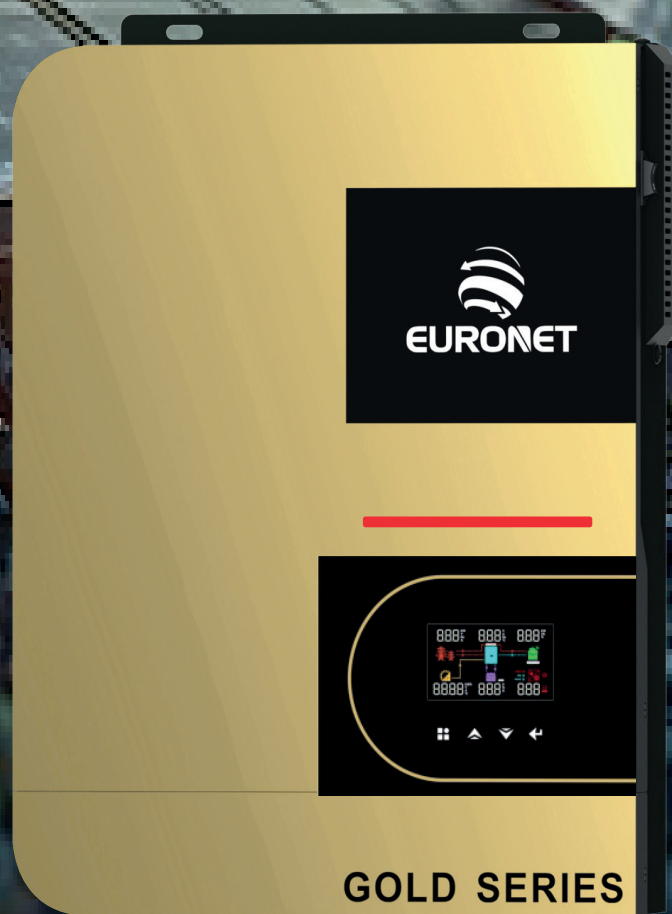
MODEL	EU IN 4.2 KW	EU IN 6.2 KW
Phase	1-phase	
Maximum PV Input Power	6200W	6500W
Rated Output Power	4200W/4200VA	6200W/6200VA
Maximum Solar Charging Current	120A	
GRID-TIE OPERATION		
PV INPUT(DC)		
Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC	
MPPT Voltage Range	60~450VDC	
Maximum Input Current	1/18A	1/22A
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195~253VAC	
Nominal Output Current	18.2A	27.0A
Power Factor	>0.99	
EFFICIENCY		
Maximum Conversion Efficiency(DC / AC)	98%	
TWO LOAD OUTPUT POWER		
Full Load	4200W	6200W
Maximum Main Load	4200W	6200W
Second Load Range	840W~2940W	1240W~4340W
Maximum Load Cut Off Voltage	26VDC	52VDC
Maximum Load Return Voltage	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	50±1Hz/60±1Hz	
Maximum AC input Current	24.7A	36.4A
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 Wave Form	Pure sine wave	
Efficiency (DC to AC)	94%	
BATTERY&CHARGER		
Nominal DC Voltage	24VDC	48VDC
Maximum Solar Charging Current	120A	120A
Maximum AC Charging Current	100A	100A
Maximum Sotar+AC Charging Current	120A	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	195~253VAC	
Nominal Output Current	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	24.7A	36.4A
Maximum Charging Current	100A	
GENERAL		
PHYSICAL		
Dimension ,H*W*D(mm)	420*350*110	
Cartoon Dimension ,H*W*D(mm)	500*415*180	
Net Weight (kgs)	8.0	8.9
Gross Weight(kgs)	9.0	10.0
INTERACE		
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	-10 C~50 C	
STANDARD		
Compliance Safety	CE	

HYBRID ON/OFF GRID INVERTER



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)
- 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
- Built Remove LCD Display and Key



TECHNICAL SPECIFICATIONS

MODEL	EU IN 8.2 KW		EU IN 10.2 KW	
Phase	1-phase			
Maximum PV Input Power	5400W+5400W			
Rated Output Power	8200W/8200VA		10200W/10200VA	
Maximum Solar Charging Current	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	2/18A			
GRID OUTPUT(AC)				
Nominal Output Voltage	220/230/240VAC			
Output Voltage Range	195~253VAC			
Nominal Output Current	35.6A		44.3A	
Power Factor	>0.99			
EFFICIENCY				
Maximum Conversion Efficiency(DC / AC)	98%			
TWO LOAD OUTPUT POWER				
Full Load	8200W		10200W	
Maximum Main Load	8200W		10200W	
Maximum Second Load(battery mode)	2733W		3400W	
Maximum Load Cut Off Voltage	52VDC			
Maximum Load Return Voltage	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	50±1Hz/60±1Hz			
Maximum AC input Current	48.2A		60A	
PV INPUT(DC)				
Nominal DC Voltage/Maximum DC Voltage	360/500VDC			
MPPT Voltage Range	90~450VDC			
Maximum Input Current	2/18A			
BATTERY MODE OUTPUT(AC)				
Nominal Output Voltage	220/230/240VAC			
Output Wave Form	Pure sine wave			
Efficiency (DC to AC)	94%			
BATTERY&CHARGER				
Nominal DC Voltage	48VDC			
Maximum Solar Charging Current	160A			
Maximum AC Charging Current	140A			
Maximum Sotar+AC Charging Current	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	2/18A			
GRID OUTPUT(AC)				
Nominal Output Voltage	220/230/240VAC			
Output Voltage Range	195~253VAC			
Nominal Output Current	35.6A		44.3A	
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	48.2A		60A	
Maximum Charging Current	140A			
GENERAL				
PHYSICAL				
Dimension ,H*W*D(mm)	530*390*170			
Cartoon Dimension ,H*W*D(mm)	618*463*242			
Net Weight (kgs)	15.8		16.2	
Gross Weight(kgs)	16.4		16.8	
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			



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