

### ECP SERIES PURE SINE INVERTER

Single-Phase Smart/AC 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)
- 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



[www.exeloness.com](http://www.exeloness.com)



MODEL		ECP 6200/48
Phase		1-phase
Maximum PV Input Power		6500W
Rated Output Power		6200W
Maximum Solar Charging Current		120A
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage/Maximum DC Voltage		360/500VDC
Start-up Voltage / Initial Feeding Voltage		60VDC/90VDC
MPPT Voltage Range		60~450VDC
Maximum Input Current		1/22A
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage		220/230/240VAC
Output Voltage Range		195.5~253VAC
Nominal Output Current		27.0A
Power Factor		>0.99
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)		98%
<b>TWO LOAD OUTPUT POWER</b>		
Full Load		6200W
Maxium Main Load		6200W
Maxium Second Load(battery mode)		2067W
Maxium Load Cut Off Voltage		52VDC
Maxium Load Return Voltage		54VDC
<b>OFF-GRID OPERATION</b>		
<b>AC INPUT</b>		
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		40A
<b>PV INPUT (DC)</b>		
Nominal DC Voltage/Maximum DC Voltage		360/500VDC
MPPT Voltage Range		60~450VDC
Maximum Input Current		1/22A
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage		220/230/240VAC
Output Waveform		Pure sine wave
Efficiency (DC to AC)		94%
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage		48VDC
Maximum Solar Charging Current		120A
Maximum AC Charging Current		100A
Maximum Charging Current		120A
<b>HYBRID OPERATION</b>		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage/Maximum DC Voltage		360/500VDC
Start-up Voltage / Initial Feeding Voltage		90VDC/120VDC
MPPT Voltage Range		60~450VDC
Maximum Input Current		1/22A
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage		220/230/240VAC
Output Voltage Range		195.5~253VAC
Nominal Output Current		27.0A
<b>AC INPUT</b>		
AC Start-up Voltage / Auto Restart Voltage		120-140VAC/180VAC
Acceptable Input Voltage Range		90-280VAC or 170-280VAC
Maximum AC Input Current		40A
Maximum AC Charging Current		100A
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)		420*350*110
Carton Dimension,D X W XH(mm)		500*415*180
Net Weight (kgs)		8.9
Gross Weight(kgs)		10.0
<b>INTERACE</b>		
Communication Port		RS232/RS485/WIFI/GPRS/LITHIUM BATTERY
<b>ENVIRONMENT</b>		
Humidity		5% to 95% Relative Humidity(Non - condensing)
Operating Temperature		-10°C ~ 50°C
<b>STANDARD</b>		
Compliance Safety		CE