

EXELON



DATASHEET ECP 6200/48

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



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MODEL		ECP 6200/48
Phase		1-phase
Maximum PV Input Power		6500W
Rated Output Power		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		1/22A
GRID OUTPUT (AC)		
Nominal Output Voltage		220/230/240VAC
Output Voltage Range		195.5~253VAC
Nominal Output Current		27.0A
Power Factor		>0.99
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)		98%
TWO LOAD OUTPUT POWER		
Full Load		6200W
Maxium Main Load		6200W
Maxium Second Load(battery mode)		2067W
Maxium Load Cut Off Voltage		52VDC
Maxium 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		49~51±1HZ
Maximum AC Input Current		40A
PV INPUT (DC)		
Nominal DC Voltage/Maximum DC Voltage		360/500VDC
MPPT Voltage Range		60~450VDC
Maximum Input Current		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		48VDC
Maximum Solar Charging Current		120A
Maximum AC Charging Current		100A
Maximum Charging Current		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		1/22A
GRID OUTPUT (AC)		
Nominal Output Voltage		220/230/240VAC
Output Voltage Range		195.5~253VAC
Nominal Output Current		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		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)		8.9
Gross Weight(kgs)		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