EU IN 10.2 KW

EURONET GOLD SERIES INVERTER – 10.2kW

Hybrid On/Off-Grid Inverter | 160A MPPT | Dual Output



RATED OUTPUT POWER **10200W/10200VA**	MAX PV INPUT POWER **5400W + 5400W**
BATTERY VOLTAGE **48VDC**	MPPT RANGE **90–450VDC**
MAX SOLAR CHARGING **160A**	MAX PV DC VOLTAGE **500VDC**

OVERVIEW

The EURONET Gold Series EU IN 10.2 KW is a 10200W / 10200VA single-phase hybrid on/off-grid inverter for larger homes running on a 48V battery bank. Dual PV inputs accept 5400W + 5400W through a 160A MPPT solar charger with a 90–450VDC range, and it works in grid-tie, off-grid and hybrid modes. A dual output feeds a main load and a second load of up to 3400W in battery mode. It can run without a battery, activates lithium batteries automatically and has a removable LCD display with touch buttons and Wi-Fi, GPRS and RS485 monitoring.

KEY FEATURES

160A MPPT, Dual PV Input
Two PV inputs take 5400W + 5400W across a wide 90–450VDC MPPT range, 500VDC maximum DC voltage

Grid-Tie, Off-Grid, Hybrid
Three work modes; feeds the grid at 220/230/240VAC with power factor >0.99 and 98% max efficiency

Dual Load Output
Main load up to 10200W plus a second load of up to 3400W in battery mode, cut off at 52VDC (54VDC on)

Runs With or Without Battery
Operates without a battery, and activates lithium batteries automatically on its 48V DC battery bus

Removable Display & Touch
Removable LCD display and keys with touch buttons and RGB lights for clear, simple on-site operation

Wi-Fi & GPRS Monitoring
RS232, RS485, Wi-Fi, GPRS and lithium battery ports, with an app for iOS and Android system monitoring

TECHNICAL NOTE

Model EU IN 10.2 KW, 1-phase, 48VDC. Rated 10200W / 10200VA; max PV input 5400W + 5400W. PV 360 / 500VDC nominal / max, MPPT 90–450VDC, 2/18A. Grid output 220 / 230 / 240VAC, 195–253VAC, 44.3A, PF >0.99, 98% max efficiency. Second load up to 3400W; cut-off / return 52VDC / 54VDC. AC input 90–280VAC or 170–280VAC, 60A. Charging 160A solar, 140A AC, 160A combined; 94% DC to AC. 530×390×170 mm, 16.2 kg.

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EU IN 10.2 KW

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EU IN 10.2 KW
Series	Gold Series
Phase	1-phase
Work Modes	Grid-tie · off-grid · hybrid
Rated Output Power	10200W/10200VA
Max PV Input Power	5400W + 5400W
Output Power Factor	1.0
Display	Removable LCD display and keys touch buttons
PV INPUT (DC)	
Nominal / Max DC Voltage	360 / 500VDC
Start-up / Initial Feeding	90 / 120VDC
MPPT Voltage Range	90–450VDC
Max Input Current	2/18A (dual PV input)
GRID OUTPUT (AC)	
Nominal Output Voltage	220 / 230 / 240VAC
Output Voltage Range	195–253VAC
Nominal Output Current	44.3A
Power Factor	>0.99
Max Conversion Efficiency	98% (DC / AC)
TWO LOAD OUTPUT	
Full Load	10200W
Max Main Load	10200W
Max Second Load (Battery Mode)	3400W
Load Cut-off / Return Voltage	52VDC / 54VDC

PARAMETER	SPECIFICATIONS
AC INPUT	
AC Start-up / Auto Restart	120–140VAC / 180VAC
Acceptable Input Range	90–280VAC or 170–280VAC
Frequency Range	50 ±1Hz / 60 ±1Hz
Max AC Input Current	60A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220 / 230 / 240VAC
Waveform	Pure sine wave
Efficiency (DC to AC)	94%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Max Solar Charging Current	160A
Max AC Charging Current	140A
Max Solar + AC Charging Current	160A
Max Charging Current, Hybrid	140A
Lithium Battery	Automatic activation
Battery-free Operation	Supported
PHYSICAL	
Dimensions (H×W×D)	530 × 390 × 170 mm
Carton (H×W×D)	618 × 463 × 242 mm
Net Weight	16.2 kg
Gross Weight	16.8 kg
Dust Protection	Built-in anti-dust kit
IP Rating	Not available
INTERFACE & ENVIRONMENT	
Communication Port	RS232 / RS485 / Wi-Fi / GPRS / lithium battery
Humidity	5% to 95% RH (non-condensing)
Operating Temperature	-10°C to 50°C
Compliance Safety	CE

**Specifications are subject to change without prior notice.*

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