EU IN 3.2 KW

EURONET GOLD SERIES INVERTER – 3.2kW

Pure Sine Wave Off-Grid Inverter | 80A MPPT Solar Charger



RATED POWER	SURGE POWER
3200VA / 3000W	6400VA
BATTERY VOLTAGE	**MAX PV ARRAY POWER**
24VDC	3000W
MPPT RANGE	**MAX CHARGE CURRENT**
30–400VDC	80A

OVERVIEW

The EURONET Gold Series EU IN 3.2 KW is a 3200VA / 3000W pure sine wave off-grid inverter for homes, shops and backup systems running on a 24V battery bank. Its built-in 80A MPPT solar charger accepts up to 3000W of PV across a wide 30–400VDC range, and solar energy is supplied directly to the load first. Surge power of 6400VA handles start-up loads, with 98% peak PV-to-inverter efficiency. It works with lead-acid or lithium batteries, carries an anti-dust kit and IP21 protection, and can be monitored over RS232, GPRS or Wi-Fi from an iOS or Android app.

KEY FEATURES

80A MPPT Solar Charger
Built-in MPPT charger takes up to 3000W of PV with a wide 30–400VDC operating range and 400VDC Voc

Solar to the Load First
Solar energy feeds the load directly first, so less is drawn from the battery bank and from the grid

Pure Sine Wave Output
230VAC ±5% regulated output with 6400VA surge power for motor, pump and compressor start-up loads

Lithium Battery Ready
Works with 24V lead-acid or lithium batteries, with a smart charge design to optimise battery life

Wi-Fi & GPRS Monitoring
RS232, GPRS and Wi-Fi communication, with an app for iOS and Android to follow the system remotely

Anti-Dust Kit & IP21
Built-in anti-dust kit and IP21 ingress protection for harsh, dusty and demanding installation sites

TECHNICAL NOTE

Model EU IN 3.2 KW. Rated 3200VA / 3000W; surge 6400VA. AC input 230VAC, selectable 170–280VAC (PCs) or 90–280VAC (home appliances), 50/60Hz auto sensing; output 230VAC ±5%. Peak efficiency 98% PV to inverter, 94% battery to inverter; transfer 10 ms / 20 ms. Battery 24VDC; float 27VDC; overcharge 33VDC. MPPT 3000W, 30–400VDC, 400VDC Voc, 1/13A; charging 80A solar, 60A AC, 80A combined. 357×273×95 mm, 4.8 kg.

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EU IN 3.2 KW

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EU IN 3.2 KW
Series	Gold Series
Type	Hybrid off-grid inverter, pure sine wave
Rated Power	3200VA / 3000W
Surge Power	6400VA
Peak Efficiency, PV to Inverter	98%
Peak Efficiency, Battery to Inverter	94%
AC INPUT	
Voltage	230VAC
Selectable Range, PCs	170–280VAC
Selectable Range, Appliances	90–280VAC
Frequency Range	50Hz / 60Hz (auto sensing)
AC OUTPUT	
Voltage Regulation	230VAC ±5%
Waveform	Pure sine wave
Transfer Time	10 ms (PCs) · 20 ms (home appliances)
Load Priority	Solar energy to the load first
BATTERY	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	33VDC
Battery Type	Lead-acid or lithium

PARAMETER	SPECIFICATIONS
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Max PV Array Power	3000W
MPPT Range @ Operating Voltage	30–400VDC
Max PV Open-circuit Voltage	400VDC
Max Input Current	1/13A
Max Solar Charging Current	80A
Max AC Charging Current	60A
Max Solar + AC Charging Current	80A
PHYSICAL	
Dimensions (H×W×D)	357 × 273 × 95 mm
Carton (H×W×D)	435 × 335 × 165 mm
Net Weight	4.8 kg
Gross Weight	5.8 kg
Ingress Protection	IP21
Dust Protection	Built-in anti-dust kit
COMMUNICATION	
Interface	RS232 / GPRS / Wi-Fi
Monitoring App	iOS and Android
Display	LCD
ENVIRONMENT	
Humidity	5% to 95% RH (non-condensing)
Operating Temperature	-10°C to 50°C
STANDARD	
Compliance Safety	CE

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

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