

**PRODUCT DATA SHEET**

# **EURONET SOLAR HYBRID INVERTERS** | GEN-5 2026



The EURONET 5<sup>th</sup> Generation Inverter Series represents a comprehensive range of advanced energy solutions engineered to deliver dependable performance, intelligent power management, and long-term operational efficiency. Developed to support residential, commercial, and industrial applications, the series combines cutting-edge inverter technology with robust design standards to ensure seamless solar integration, stable power output, and enhanced system reliability. From compact off-grid models to advanced hybrid inverter systems, the EURONET Inverter Series is built to meet diverse energy requirements while supporting the growing demand for smarter and more sustainable power solutions.

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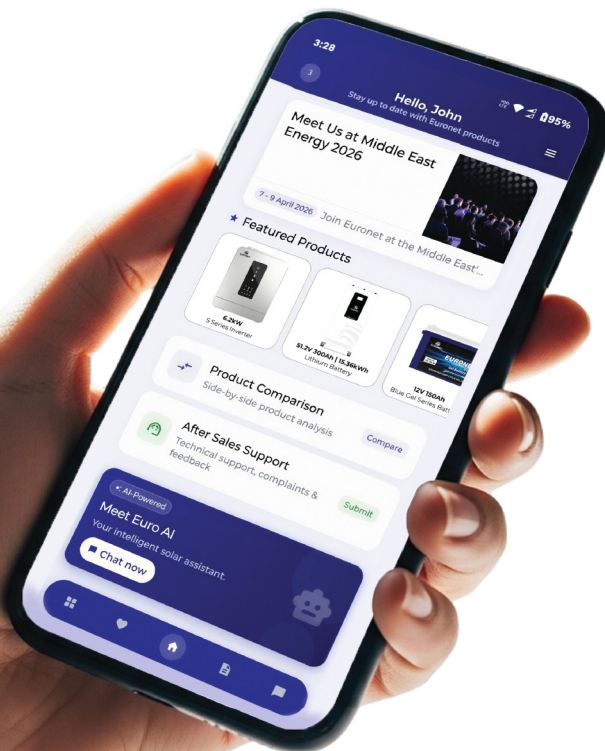
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# GEN 5 PRO SERIES SOLAR HYBRID INVERTER

Single-Phase Hybrid Solar Inverter | E-PRO3KW230V-IP65 / E-PRO6KW230V-IP65



RATED OUTPUT POWER

3kW / 6kW

BATTERY VOLTAGE

24VDC (3kW)  
48VDC (6kW)

MPPT VOLTAGE RANGE

Up to 50-500VDC

MAXIMUM CHARGING CURRENT

Up to 125A

EFFICIENCY

Up to 97%

PARALLEL EXPANSION

UP TO 6 UNITS

OVERVIEW

The EURONET E-PRO3KW230V-IP65 and E-PRO6KW230V-IP65 hybrid solar inverters are designed for residential and small commercial energy systems. Featuring built-in MPPT technology, intelligent battery charging, and multiple operating modes, these inverters deliver reliable power conversion and seamless backup capability. Their IP65-rated enclosure ensures dependable operation in demanding indoor and outdoor environments.

KEY FEATURES

High Conversion Efficiency

Delivers up to 97% DC/AC conversion efficiency, maximizing energy utilization and reducing system losses.

Advanced MPPT Technology

The 6kW model features dual 50–500VDC MPPTs to maximize solar energy harvesting.

Parallel Expansion Capability

Supports parallel operation of up to six units, allowing easy system expansion for higher power requirements.

Dual Independent AC Inputs and Outputs

Features two independent AC inputs and two outputs, providing flexible load management and enhanced power distribution.

Built-in Wi-Fi Monitoring

Integrated Wi-Fi communication enables remote monitoring and convenient system management.

High PV Input Utilization

Supports optimized photovoltaic input with dual MPPT architecture, improving overall solar energy yield.

Current Transformer Support

Compatible with external current transformers for intelligent power flow control and improved self-consumption.

Intelligent Touchscreen Display

Equipped with an intuitive touchscreen interface for real-time monitoring and simplified system configuration.

# TECHNICAL SPECIFICATIONS

| PARAMETER                                  | E-PRO3KW230V-IP65                                         | E-PRO6KW230V-IP65                                         |
|--------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Phase                                      | 1-phase in / 1-phase out                                  | 1-phase in / 1-phase out                                  |
| Maximum PV Input Power                     | 4500W                                                     | 4500W+4500W                                               |
| Rated Output Power                         | 3000W                                                     | 6000W                                                     |
| Maximum Charging Power                     | 3000W                                                     | 6000W                                                     |
| <b>GRID-TIED OPERATION</b>                 |                                                           |                                                           |
| Maximum DC Voltage                         | /                                                         | 520Vdc                                                    |
| Start-up Voltage / Initial Feeding Voltage | /                                                         | 90Vdc/120Vdc                                              |
| MPPT Voltage Range                         | /                                                         | 50Vdc-500Vdc                                              |
| No. of MPPT Trackers / Max. Input Current  | /                                                         | 2/18A                                                     |
| <b>GRID OUTPUT (AC)</b>                    |                                                           |                                                           |
| Nominal Output Voltage                     | /                                                         | 220/230/240VAC                                            |
| Output Voltage Range                       | /                                                         | 184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable) |
| Nominal Output Current                     | /                                                         | 26.1A                                                     |
| Power Factor                               | /                                                         | >0.99                                                     |
| Maximum Conversion Efficiency (DC/AC)      | /                                                         | 97%                                                       |
| <b>OFF-GRID OPERATION</b>                  |                                                           |                                                           |
| AC Start-up Voltage                        | 170VAC-280VAC                                             | 170VAC-280VAC                                             |
| Acceptable Input Voltage Range             | 90-280VAC(APL) or 170-280VAC(UPS)                         | 90-280VAC(APL) or 170-280VAC(UPS)                         |
| Frequency Range                            | 50Hz/60Hz (Auto sensing)                                  | 50Hz/60Hz (Auto sensing)                                  |
| Maximum AC Input Current                   | 16A                                                       | 40A                                                       |
| <b>PV INPUT (DC)</b>                       |                                                           |                                                           |
| Maximum DC Voltage                         | 500Vdc                                                    | 520Vdc                                                    |
| MPPT Voltage Range                         | 60Vdc-450Vdc                                              | 50Vdc-500Vdc                                              |
| No. of MPPT Trackers / Max. Input Current  | 1/18A                                                     | 2/18A                                                     |
| <b>BATTERY MODE OUTPUT (AC)</b>            |                                                           |                                                           |
| Nominal Output Voltage                     | 220/230/240VAC                                            | 220/230/240VAC                                            |
| Output Waveform                            | Pure sine wave                                            | Pure sine wave                                            |
| Efficiency (DC to AC)                      | 93%                                                       | 93%                                                       |
| <b>HYBRID OPERATION</b>                    |                                                           |                                                           |
| Maximum DC Voltage                         | 500Vdc                                                    | 520Vdc                                                    |
| Start-up Voltage / Initial Feeding Voltage | 90Vdc/120Vdc                                              | 90Vdc/120Vdc                                              |
| MPPT Voltage Range                         | 60Vdc-450Vdc                                              | 50Vdc-500Vdc                                              |
| No. of MPPT Trackers / Max. Input Current  | 1/18A                                                     | 2/18A                                                     |
| <b>GRID OUTPUT (AC)</b>                    |                                                           |                                                           |
| Nominal Output Voltage                     | 220/230/240VAC                                            | 220/230/240VAC                                            |
| Output Voltage Range                       | 184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable) | 184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable) |
| Nominal Output Current                     | 13A                                                       | 26.1A                                                     |
| <b>AC INPUT</b>                            |                                                           |                                                           |
| AC Start-up Voltage                        | 170VAC-280VAC                                             | 170VAC-280VAC                                             |
| Acceptable Input Voltage Range             | 90-280VAC or 170-280VAC                                   | 90-280VAC or 170-280VAC                                   |
| Maximum AC Input Current                   | 16A                                                       | 40A                                                       |
| <b>BATTERY &amp; CHARGER</b>               |                                                           |                                                           |
| Nominal DC Voltage                         | 24Vdc                                                     | 48Vdc                                                     |
| Maximum Solar Charging Current             | 100A                                                      | 125A                                                      |
| Maximum AC Charging Current                | 100A                                                      | 125A                                                      |
| Maximum Charging Current                   | 100A                                                      | 125A                                                      |
| <b>GENERAL</b>                             |                                                           |                                                           |
| Dimensions (D×W×H)                         | 451×353×160.2 mm                                          | 471×444×200 mm                                            |
| Net Weight                                 | 12.3 kg                                                   | 18.5 kg                                                   |
| <b>INTERFACE</b>                           |                                                           |                                                           |
| Parallel Function                          | /                                                         | Yes, 6 units                                              |
| Communication Port                         | RS232/RS485/Wi-Fi                                         | RS485/CAN/Wi-Fi/Dry contact                               |
| <b>ENVIRONMENT</b>                         |                                                           |                                                           |
| Humidity                                   | 5%~95% RH (Non-condensing)                                | 5%~95% RH (Non-condensing)                                |
| IP Degree                                  | IP65                                                      | IP65                                                      |
| Operating Temperature                      | -10°C ~ 50°C                                              | -10°C ~ 50°C                                              |
| Storage Temperature                        | -15°C ~ 60°C                                              | -15°C ~ 60°C                                              |

# GEN 5 PRO SERIES SOLAR HYBRID INVERTER

Single-Phase Hybrid Solar Inverter | 10kW / 16kW | 230V | IP65 Protection



RATED OUTPUT POWER

**10kW / 16kW**

BATTERY VOLTAGE

**48VDC**

MAXIMUM PV INPUT POWER

**Up to 21.8kW**

MPPT INPUTS

**Dual/Triple**

MAXIMUM CHARGING CURRENT

**Up to 250A**

PARALLEL OPERATION

**UP TO 6 UNITS**

## OVERVIEW

The EURNET E-PRO10KW230V-IP65 and E-PRO16KW230V-IP65 are high-performance hybrid solar inverters engineered for demanding residential, commercial, and energy storage applications. Equipped with advanced MPPT technology, high charging capability, and intelligent energy management, they provide exceptional efficiency, scalability, and reliable power continuity.

## KEY FEATURES

### High Conversion Efficiency

Achieves up to 97% DC/AC conversion efficiency for improved energy performance and reduced power losses.

### Wide MPPT Operating Range

Supports a 50–450VDC MPPT range with advanced multi-MPPT architecture for enhanced solar energy capture.

### High PV Input Capacity

Supports photovoltaic input power up to 16.2kW (10kW model) and 21.8kW (16kW model), maximizing energy production.

### Parallel Operation up to Six Units

Allows up to six units to operate in parallel for scalable residential and commercial energy storage systems.

### Dual Independent AC Inputs and Outputs

Provides two independent AC inputs and outputs for flexible load prioritization and improved power management.

### Built-in Wi-Fi Connectivity

Integrated Wi-Fi communication enables remote monitoring and system diagnostics.

### Current Transformer Integration

Supports current transformer functionality for intelligent energy management and optimized self-consumption.

### Touchscreen User Interface

Features an intuitive touchscreen display for convenient monitoring, parameter adjustment, and system status visualization.

# TECHNICAL SPECIFICATIONS

| PARAMETER                                  | E-PRO10KW230V-IP65                                                  | E-PRO16KW230V-IP65                                                  |
|--------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Phase                                      | 1-phase in / 1-phase out                                            | 1-phase in / 1-phase out                                            |
| Maximum PV Input Power                     | 16200W                                                              | 21800W                                                              |
| Rated Output Power                         | 10000W                                                              | 16000W                                                              |
| Maximum Charging Power                     | 10000W                                                              | 14000W (56V)                                                        |
| <b>GRID-TIED OPERATION</b>                 |                                                                     |                                                                     |
| Maximum DC Voltage                         | 520Vdc                                                              | 520Vdc                                                              |
| Start-up Voltage                           | 117Vdc                                                              | 117Vdc                                                              |
| MPPT Voltage Range                         | 50-450Vdc                                                           | 50-450Vdc                                                           |
| No. of MPPT Trackers / Max. Input Current  | 2/18A+36A                                                           | 3/18A+18A+36A                                                       |
| <b>GRID OUTPUT (AC)</b>                    |                                                                     |                                                                     |
| Nominal Output Voltage                     | 220/230/240VAC                                                      | 220/230/240VAC                                                      |
| Output Voltage Range                       | 184-264.5VAC or 195.5-253VAC                                        | 184-264.5VAC or 195.5-253VAC                                        |
| Nominal Output Current                     | 43.5A                                                               | 69.6A                                                               |
| Power Factor                               | >0.99                                                               | >0.99                                                               |
| Maximum Conversion Efficiency (DC/AC)      | 97%                                                                 | 97%                                                                 |
| <b>OFF-GRID OPERATION</b>                  |                                                                     |                                                                     |
| AC Start-up Voltage                        | 170-280VAC                                                          | 170-280VAC                                                          |
| Acceptable Input Voltage Range             | 90-280VAC /170-280VAC                                               | 90-280VAC /170-280VAC                                               |
| Frequency Range                            | 50Hz/60Hz (Auto sensing)                                            | 50Hz/60Hz (Auto sensing)                                            |
| Maximum AC Input Current                   | 60A                                                                 | 100A (Passthrough)                                                  |
| <b>PV INPUT (DC)</b>                       |                                                                     |                                                                     |
| Maximum DC Voltage                         | 520Vdc                                                              | 520Vdc                                                              |
| MPPT Voltage Range                         | 50Vdc-450Vdc                                                        | 50Vdc-450Vdc                                                        |
| No. of MPPT Trackers / Max. Input Current  | 2/18A+36A                                                           | 3/18A+18A+36A                                                       |
| <b>BATTERY MODE OUTPUT (AC)</b>            |                                                                     |                                                                     |
| Nominal Output Voltage                     | 220/230/240VAC                                                      | 220/230/240VAC                                                      |
| Output Waveform                            | Pure sine wave                                                      | Pure sine wave                                                      |
| Efficiency (DC to AC)                      | 93%                                                                 | 93%                                                                 |
| <b>HYBRID OPERATION</b>                    |                                                                     |                                                                     |
| Maximum DC Voltage                         | 520Vdc                                                              | 520Vdc                                                              |
| Start-up Voltage / Initial Feeding Voltage | 90Vdc/120Vdc                                                        | 90Vdc/120Vdc                                                        |
| MPPT Voltage Range                         | 50Vdc-450Vdc                                                        | 50Vdc-450Vdc                                                        |
| No. of MPPT Trackers / Max. Input Current  | 2/18A+36A                                                           | 3/18A+18A+36A                                                       |
| <b>GRID OUTPUT (AC)</b>                    |                                                                     |                                                                     |
| Nominal Output Voltage                     | 220/230/240VAC                                                      | 220/230/240VAC                                                      |
| Output Voltage Range                       | 184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable)           | 184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable)           |
| Nominal Output Current                     | 43.5A                                                               | 69.6A                                                               |
| <b>AC INPUT</b>                            |                                                                     |                                                                     |
| AC Start-up Voltage                        | 170-280VAC                                                          | 170-280VAC                                                          |
| Acceptable Input Voltage Range             | 90-280VAC /170-280VAC                                               | 90-280VAC /170-280VAC                                               |
| Maximum AC Input Current                   | 60A                                                                 | 100A (Passthrough)                                                  |
| <b>BATTERY &amp; CHARGER</b>               |                                                                     |                                                                     |
| Nominal DC Voltage                         | 48Vdc                                                               | 48Vdc                                                               |
| Maximum Solar Charging Current             | 220A                                                                | 250A                                                                |
| Maximum AC Charging Current                | 220A                                                                | 250A                                                                |
| Maximum Charging Current                   | 220A                                                                | 250A                                                                |
| <b>GENERAL</b>                             |                                                                     |                                                                     |
| Dimensions (D×W×H)                         | 600×483×260 mm                                                      | 637.5×491×300.5 mm                                                  |
| Net Weight                                 | 42 kg                                                               | 50 kg                                                               |
| <b>INTERFACE</b>                           |                                                                     |                                                                     |
| Parallel Function                          | 6 units for single-phase supply, and 3 units for three-phase supply | 6 units for single-phase supply, and 3 units for three-phase supply |
| Communication Port                         | RS485/CAN/Wi-Fi/Dry contact                                         | RS485/CAN/Wi-Fi/Dry contact                                         |
| <b>ENVIRONMENT</b>                         |                                                                     |                                                                     |
| Humidity                                   | 5%-95% RH (Non-condensing)                                          | 5%-95% RH (Non-condensing)                                          |
| IP Degree                                  | IP65                                                                | IP65                                                                |
| Operating Temperature                      | -10°C ~ 50°C                                                        | -10°C ~ 50°C                                                        |
| Storage Temperature                        | -15°C ~ 60°C                                                        | -15°C ~ 60°C                                                        |



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