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PRODUCT DATA SHEET

EURONET SOLAR HYBRID INVERTERS | GEN-5

2026

The EURONET 5th 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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POWERING PROGRESS ACROSS THE GLOBE

3000+
Distributors

15+
Industries

60+
Countries & Region

24/7 Intelligent Assistance
Sales Support and
After Sales Support

250+
Product Categories & SKUs

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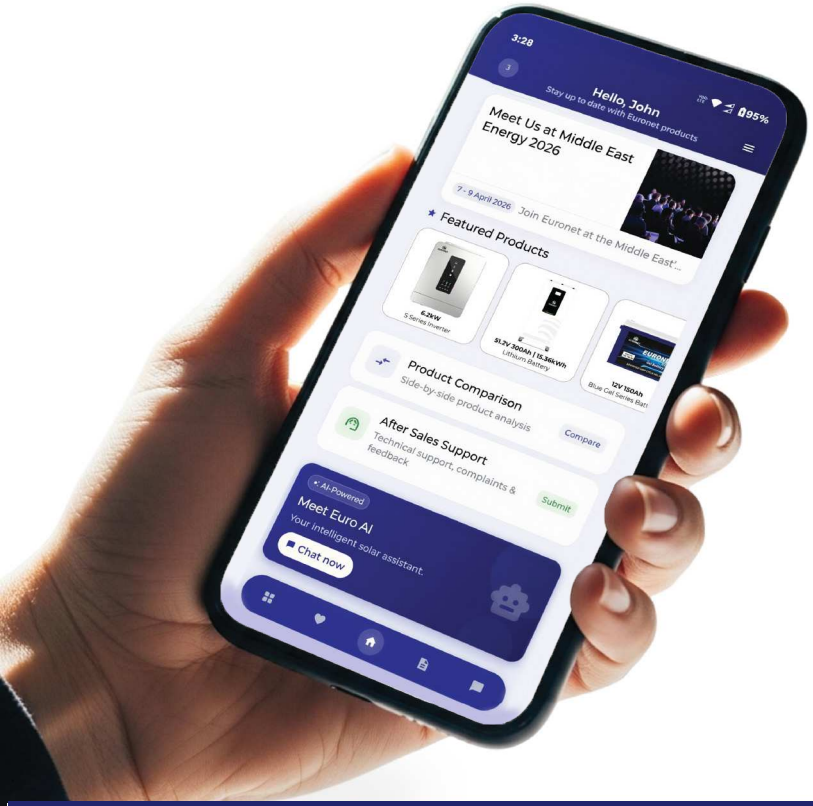
Innovative design shapes our products combining functionality, efficiency, and aesthetics to meet diverse global energy needs.

Globally Certified Excellence
Certified to meet global standards

One Stop Ecosystem
Complete digital ecosystem

20+
Years of Excellence



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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.

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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
GRID-TIED OPERATION		
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
GRID OUTPUT (AC)		
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%
OFF-GRID OPERATION		
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
PV INPUT (DC)		
Maximum DC Voltage	500Vdc	520Vdc
MPPT Voltage Range	60Vdc-450Vdc	50Vdc-500Vdc
No. of MPPT Trackers / Max. Input Current	1/18A	2/18A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	220/230/240VAC
Output Waveform	Pure sine wave	Pure sine wave
Efficiency (DC to AC)	93%	93%
HYBRID OPERATION		
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
GRID OUTPUT (AC)		
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
AC INPUT		
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
BATTERY & CHARGER		
Nominal DC Voltage	24Vdc	48Vdc
Maximum Solar Charging Current	100A	125A
Maximum AC Charging Current	100A	125A
Maximum Charging Current	100A	125A
GENERAL		
Dimensions (D×W×H)	451×353×160.2 mm	471×444×200 mm
Net Weight	12.3 kg	18.5 kg
INTERFACE		
Parallel Function	/	Yes, 6 units
Communication Port	RS232/RS485/Wi-Fi	RS485/CAN/Wi-Fi/Dry contact
ENVIRONMENT		
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 EURONET 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.

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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)
GRID-TIED OPERATION		
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
GRID OUTPUT (AC)		
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%
OFF-GRID OPERATION		
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)
PV INPUT (DC)		
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
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	220/230/240VAC
Output Waveform	Pure sine wave	Pure sine wave
Efficiency (DC to AC)	93%	93%
HYBRID OPERATION		
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
GRID OUTPUT (AC)		
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
AC INPUT		
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)
BATTERY & CHARGER		
Nominal DC Voltage	48Vdc	48Vdc
Maximum Solar Charging Current	220A	250A
Maximum AC Charging Current	220A	250A
Maximum Charging Current	220A	250A
GENERAL		
Dimensions (D×W×H)	600×483×260 mm	637.5×491×300.5 mm
Net Weight	42 kg	50 kg
INTERFACE		
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
ENVIRONMENT		
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

Engineered for Performance. Built for Reliability

Delivering innovative power, energy storage, security, and technology solutions designed for efficiency, durability, and long-term value

Certifications & Standards

CB MARKED
International Safety Certification

CE MARKED
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