E-PRO10KW230V-IP65

EURONET GEN-5 PRO SERIES INVERTER – 10kW

Single-Phase Hybrid Inverter | 48V Battery | IP65



RATED OUTPUT POWER **10000W**	BATTERY VOLTAGE **48V DC**
MAX PV INPUT POWER **16200W**	MPPT VOLTAGE RANGE **50V–450V DC**
MAX CHARGING CURRENT **220A**	PARALLEL OPERATION **Up to 6 units**

OVERVIEW

The EURONET E-PRO10KW230V-IP65 is a 10kW single-phase hybrid solar inverter from the Gen-5 PRO Series, built for larger homes and energy storage systems that need high charging power and room to grow. It accepts up to 16200W of PV input on two MPPT trackers (50V–450V DC), charges a 48V DC battery at up to 220A, and delivers pure sine wave 220/230/240V AC output with up to 97% DC/AC efficiency in grid-tied operation. Two independent AC inputs and outputs, Wi-Fi, touchscreen control, CT support and parallel operation of up to six units complete an IP65-rated package.

KEY FEATURES

Up to 97% DC/AC Efficiency
97% maximum DC/AC conversion efficiency in grid-tied operation, and 93% efficiency in battery mode

Dual MPPT, 18A + 36A
Two MPPT trackers across 50V–450V DC accept up to 16200W of PV input, with a 520V DC maximum voltage

220A Solar & AC Charging
48V DC battery charged at up to 220A from solar or from AC, with up to 10000W maximum charging power

Single- or Three-Phase Parallel
Up to six units in parallel on a single-phase supply, or three units to build a three-phase supply

Two Independent AC Inputs
Two independent AC inputs and two AC outputs for flexible load prioritisation and power management

Wi-Fi, Touchscreen & CT Input
Built-in Wi-Fi monitoring and touchscreen control, with CT input for export limitation and load control

TECHNICAL NOTE

E-PRO10KW230V-IP65: 10000W rated output, 48V DC battery, 220A maximum solar / AC charging (10000W). Two MPPT trackers (18A + 36A), 50V–450V DC, 520V DC maximum, 16200W maximum PV input. Grid output 220/230/240V AC, 43.5A, PF >0.99, 97% maximum efficiency; 93% in battery mode. AC input 60A maximum. Parallel: 6 units (3 for 3-phase). IP65, -10°C to 50°C.

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E-PRO10KW230V-IP65

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-PRO10KW230V-IP65
Series	Gen-5 PRO Series
Type	Single-phase hybrid solar inverter
Phase	1-phase in / 1-phase out
Rated Output Power	10000W
Max PV Input Power	16200W
Max Charging Power	10000W
Operating Modes	Grid-tied · off-grid · hybrid
PV INPUT (DC)	
Max DC Voltage	520V DC
Start-up Voltage (Grid-tied)	117V DC
Start-up / Initial Feeding (Hybrid)	90V DC / 120V DC
MPPT Voltage Range	50V–450V DC
MPPT Trackers	2
Max Input Current	18A + 36A
Solar Charger Type	MPPT
BATTERY & CHARGER	
Nominal DC Voltage	48V DC
Max Solar Charging Current	220A
Max AC Charging Current	220A
Max Charging Current	220A
Max Charging Power	10000W
AC INPUT	
AC Inputs	2 independent
AC Start-up Voltage	170V–280V AC
Acceptable Input Range	90V–280V AC / 170V–280V AC
Frequency Range	50Hz/60Hz (auto-sensing)
Max AC Input Current	60A

PARAMETER	SPECIFICATIONS
GRID OUTPUT (GRID-TIED & HYBRID)	
Nominal Output Voltage	220/230/240V AC
Output Voltage Range	184V–264.5V AC or 195.5V–253V AC (selectable)
Nominal Output Current	43.5A
Power Factor	>0.99
Max Conversion Efficiency	97% (DC/AC)
BATTERY MODE OUTPUT (AC)	
AC Outputs	2 independent
Nominal Output Voltage	220/230/240V AC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
COMMUNICATION & INTERFACE	
Communication Ports	RS485 / CAN / Wi-Fi / dry contact
Monitoring	Built-in Wi-Fi
Display	Touchscreen
Current Transformer	Supported
Parallel Function	6 units (3 for 3-phase)
PHYSICAL & ENVIRONMENTAL	
Dimensions (D×W×H)	600 × 483 × 260 mm
Net Weight	42 kg
Ingress Protection	IP65
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
Humidity	5%–95% RH (non-condensing)
Warranty	Not available
CERTIFICATION	
Certifications	CB · CE · IEC compliant

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

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