E-A3.2KW24V

EURONET GEN-5 A SERIES INVERTER – 3.2kW

Off-Grid Inverter | MPPT Solar Charger



RATED POWER **3200VA/3000W**	BATTERY VOLTAGE **24V DC**
RATED PV POWER **3000W**	MPPT RANGE **55–450V DC**
MAX SOLAR CURRENT **80A**	AC OUTPUT **230V AC**

OVERVIEW

The EURONET Gen-5 A 3.2K (E-A3.2KW24V) combines a pure sine wave inverter, MPPT solar charge controller and AC charger in one compact unit for homes and small off-grid systems. It delivers 3200VA / 3000W of stable 230V AC output at 50/60Hz from a 24V DC battery bank, accepts up to 3000W of solar power across a wide 55V–450V DC MPPT range and charges at up to 80A from solar or 60A from the AC charger. It works with lithium and lead-acid batteries, shows real-time status on an LCD display and is CE / RoHS certified.

KEY FEATURES

Pure Sine Wave Output
Stable 230V AC, 50/60Hz output with ±5% regulation, suitable for home appliances and sensitive electronics

Wide PV Input Voltage Range
MPPT range of 55V–450V DC with 450V DC max. Voc, for flexible higher-voltage solar string designs

Up to 80A Solar Charging
Built-in MPPT solar charger accepts up to 3000W PV and charges the battery at up to 80A maximum current

AC Charger Built In
Charges the battery from the 230V AC supply at up to 60A maximum, with a 27V DC charger output

Lithium & Lead-Acid Ready
Compatible with lithium and lead-acid batteries, with smart charging that helps extend battery life

LCD Status Display
User-friendly LCD interface gives real-time system monitoring and operational status at a glance

TECHNICAL NOTE

A 3.2K: 3200VA / 3000W rated power on a 24V DC battery. Pure sine wave output 230V AC, 50/60Hz (±5%), output current 13.0A. MPPT solar charger: 3000W rated PV power, 450V DC max. Voc, 55V–450V DC MPPT range, 80A max. solar current. AC charger: 230V AC, 21.3A input, 27V DC output, 60A max. charging current. IP21, -10°C to +50°C, CE / RoHS.

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E-A3.2KW24V

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-A3.2KW24V
Series	Gen-5 A Series (A 3.2K)
Product Type	Off-grid inverter · MPPT solar charger AC charger
Rated Power	3200VA / 3000W
Application	Residential & small off-grid systems
BATTERY	
Battery Voltage	24V DC
Battery Type	Lithium and lead-acid
Charging Management	Smart, optimised battery charging
PV INPUT / SOLAR CHARGER	
Charger Type	MPPT solar charge controller
Rated PV Power	3000W
Max. Solar Voltage (Voc)	450V DC
MPPT Voltage Range	55V–450V DC
Nom. PV Operating Voltage	240V DC
Max. Solar Current	80A
AC INPUT / AC CHARGER	
AC Charger Input	230V AC, 21.3A
AC Charger DC Output	27V DC
Max. AC Charging Current	60A
Charging Sources	MPPT solar charger + AC charger

PARAMETER	SPECIFICATIONS
AC OUTPUT	
Output Voltage	230V AC
Output Frequency	50/60Hz
Voltage Regulation	230V AC ±5%
Output Waveform	Pure sine wave
Output Current	13.0A
Max. Conversion Efficiency	Not available
PROTECTION & DISPLAY	
Protection	Comprehensive built-in protection
Display	LCD status display · real-time monitoring
PHYSICAL & ENVIRONMENTAL	
Ingress Protection	IP21
Operating Temperature	-10°C to +50°C
Colour	Silver and black
Dimensions (W × H × D)	Not available
Net Weight	Not available
CERTIFICATION	
Certification	CE / RoHS
Test Conditions	Specifications at 25°C ambient unless stated

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

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