E-A2.2KW12V

# EURONET GEN-5 A SERIES INVERTER – 2.2kW

## Off-Grid Inverter | MPPT Solar Charger




| | |
|---|---|
| RATED POWER<br>**2200VA/1800W** | BATTERY VOLTAGE<br>**12V DC** |
| RATED PV POWER<br>**2000W** | MPPT RANGE<br>**55–450V DC** |
| MAX SOLAR CURRENT<br>**80A** | AC OUTPUT<br>**230V AC** |

### OVERVIEW

The EURONET Gen-5 A 2.2K (E-A2.2KW12V) 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 2200VA / 1800W of stable 230V AC output at 50/60Hz from a 12V DC battery bank, accepts up to 2000W 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 2000W 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 13.5V 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 2.2K: 2200VA / 1800W rated power on a 12V DC battery. Pure sine wave output 230V AC, 50/60Hz (±5%), output current 7.8A. MPPT solar charger: 2000W rated PV power, 450V DC max. Voc, 55V–450V DC MPPT range, 80A max. solar current. AC charger: 230V AC, 12A input, 13.5V DC output, 60A max. charging current. IP21, -10°C to +50°C, CE / RoHS.

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# E-A2.2KW12V

## PRODUCT TECHNICAL SPECIFICATIONS

| PARAMETER | SPECIFICATIONS |
|---|---|
| **GENERAL** | |
| **Model** | E-A2.2KW12V |
| **Series** | Gen-5 A Series (A 2.2K) |
| **Product Type** | Off-grid inverter · MPPT solar charger AC charger |
| **Rated Power** | 2200VA / 1800W |
| **Application** | Residential & small off-grid systems |
| **BATTERY** | |
| **Battery Voltage** | 12V 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** | 2000W |
| **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, 12A |
| **AC Charger DC Output** | 13.5V 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** | 7.8A |
| **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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