E-SK1148V1

EURONET SHARK HYBRID INVERTER – 11kW

Solar Hybrid Inverter | 48V Battery | 6-Unit Parallel



RATED POWER	BATTERY VOLTAGE
11000VA/11000W	48V DC
SURGE POWER	**MAX PV ARRAY POWER**
22000VA	11000W
MAX CHARGE CURRENT	**PEAK EFFICIENCY**
150A	93%

OVERVIEW

The EURONET E-SK1148V1 is the flagship of the Shark Series, an 11000VA / 11000W solar hybrid inverter on a 48V DC battery for large off-grid and high-capacity home solar systems. It connects two independent AC power sources with automatic switching, supports parallel operation of up to six units, and takes up to 11000W of PV array power (5500W × 2) with a 22000VA surge rating. Up to 150A of charging current, RGB status lights, built-in WiFi with Android / iOS app, USB On-the-Go, dry-contact communication and a replaceable fan support easy monitoring and service.

KEY FEATURES

Dual AC Inputs, Auto-Switching
Two independent AC power sources are connected and switched automatically for uninterrupted supply

6-Unit Parallel Operation
Connect up to six inverters in parallel to scale total system power for larger home installations

Adjustable Dual-Source Charging
Charging current for each AC source is set via the LCD or the mobile app, with up to 150A maximum

11000W PV Input, 27A × 2
MPPT range 90V–450V DC, 500V DC maximum Voc, and PV input current raised to 27A × 2 (max 40A)

WiFi, USB OTG & RGB Status
Built-in WiFi with Android / iOS app, USB On-the-Go and colour-coded RGB lights for at-a-glance status

Replaceable Fan Design
Field-replaceable cooling fan and built-in anti-dust kit simplify maintenance and extend service life

TECHNICAL NOTE

E-SK1148V1: 11000VA / 11000W, 48V DC battery, parallel up to 6 units. 22000VA surge; 93% peak efficiency; pure sine wave; 230V AC ±5% regulation. Input 230V AC, 170V–280V AC (PCs) or 90V–280V AC (appliances), two auto-switched AC sources. MPPT: 11000W (5500W × 2), 90V–450V DC, 500V DC max Voc, 27A × 2 (max 40A). Charge: 150A solar, 150A AC, 150A max. Float 54V DC, overcharge 63V DC. 18.4 kg. CE.

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E-SK1148V1

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-SK1148V1
Series	Shark Series
Type	Solar hybrid inverter
Rated Power	11000VA / 11000W
Solar Charger Type	MPPT
Feed-in to Grid	Built-in
Parallel Capability	Yes, 6 units
AC INPUT	
AC Inputs	2 independent sources, auto-switching
Nominal Input Voltage	230V AC
Selectable Range (PCs)	170V–280V AC
Selectable Range (Appliances)	90V–280V AC
Frequency Range	50Hz/60Hz (auto-sensing)
AC OUTPUT	
AC Voltage Regulation	230V AC ±5% (battery mode)
Output Power (Battery Only)	Not available
Surge Power	22000VA
Peak Efficiency	93%
Transfer Time	10ms (PCs) / 20ms (home appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48V DC
Floating Charge Voltage	54V DC
Overcharge Protection	63V DC
Battery Types	Lithium / lead-acid
Battery-independent Design	Yes

PARAMETER	SPECIFICATIONS
SOLAR CHARGER & AC CHARGER	
Max PV Open-circuit Voltage	500V DC
Max PV Array Power	11000W (5500W × 2)
Max PV Input Current	27A × 2 (max 40A)
MPP Range (Operating)	90V–450V DC
Max Solar Charge Current	150A
Max AC Charge Current	150A
Max Charge Current	150A
Charge Current Setting	Adjustable per source via LCD / app
COMMUNICATION	
Communication Interface	USB / RS232 / RS485 / WiFi / dry contact
Monitoring	Built-in WiFi · Android / iOS app
Status Indication	RGB lights
USB	USB On-the-Go supported
Output Control	Configurable AC/PV usage timer & priority
PHYSICAL & ENVIRONMENTAL	
Dimensions (D×W×H)	147.4 × 432.5 × 553.6 mm
Net Weight	18.4 kg
Dust Protection	Built-in anti-dust kit
Cooling Fan	Replaceable design
Ingress Protection	Not available
Humidity	5%–95% RH (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
COMPLIANCE	
Compliance	CE (safety compliance)
Warranty	Not available

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

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