E-SK6248V1

EURONET SHARK HYBRID INVERTER – 6.2kW

Solar Hybrid Inverter | 48V Battery | Dual AC Output



RATED POWER **6200VA / 6200W**	BATTERY VOLTAGE **48V DC**
SURGE POWER **12400VA**	MAX PV ARRAY POWER **6500W**
MAX CHARGE CURRENT **100A**	PEAK EFFICIENCY **93%**

OVERVIEW

The EURONET E-SK6248V1 is a 6200VA / 6200W solar hybrid inverter from the Shark Series with dual AC outputs, built for high-power home backup and off-grid systems. Its 48V DC battery architecture reduces cable losses, while 6500W of PV array capacity and a 12400VA surge rating handle demanding loads. MPPT solar charging works from a wide PV input starting at 90V DC, with up to 100A of charging current from solar or AC. BMS communication for lithium batteries, lead-acid compatibility, pure sine wave output, feed-in to grid and WiFi monitoring complete the package.

KEY FEATURES

Dual AC Outputs
Two AC outputs for prioritised, flexible management of essential loads and general household loads

Wide PV Input from 90V DC
MPPT solar charger tracks from 90V DC up to 450V DC, accepting up to 6500W of PV array power in total

100A Maximum Charging
Up to 100A from solar and 100A from AC to recharge the 48V battery bank quickly from either source

BMS Communication Port
Built-in BMS communication port for lithium batteries, plus full compatibility with lead-acid batteries

Feed-in to Grid
Built-in grid feed-in function exports surplus solar energy, with WiFi monitoring via the app or web

Battery Equalisation
Battery-independent design with an equalisation function to optimise performance and lifecycle

TECHNICAL NOTE

E-SK6248V1: 6200VA / 6200W, 48V DC battery. Output 6200W with PV & battery, 5000W battery only; dual AC outputs; 12400VA surge; 93% peak efficiency; pure sine wave. Input 230V AC, 170V–280V AC (PCs) or 90V–280V AC (appliances). MPPT: 500V DC max Voc, 6500W, 18A, 90V–450V DC. Charge: 100A solar, 100A AC, 100A max. Float 54V DC, overcharge protection 63V DC. 10.4 kg.

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E-SK6248V1

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-SK6248V1
Series	Shark Series
Type	Solar hybrid inverter
Rated Power	6200VA / 6200W
Solar Charger Type	MPPT
Feed-in to Grid	Built-in
AC INPUT	
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 (PV & Battery)	6200W
Output Power (Battery Only)	5000W
AC Outputs	Dual
Surge Power	12400VA
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
BMS Communication	Built-in port
Battery Equalisation	Yes
Battery-independent Design	Yes

PARAMETER	SPECIFICATIONS
SOLAR CHARGER & AC CHARGER	
Max PV Open-circuit Voltage	500V DC
Max PV Array Power	6500W
Max PV Input Current	18A
MPP Range (Operating)	90V–450V DC (min. 100V DC without battery)
Max Solar Charge Current	100A
Max AC Charge Current	100A
Max Charge Current	100A
COMMUNICATION	
Communication Interface	RS232 / RS485 (BMS) / WiFi
Monitoring	WiFi · app / web
PHYSICAL & ENVIRONMENTAL	
Dimensions (D×W×H)	90 × 288 × 357 mm
Net Weight	10.4 kg
Dust Protection	Built-in anti-dust kit
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 marked (Shark Series)
Warranty	Not available

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

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