E-SK4224V1

EURONET SHARK HYBRID INVERTER – 4.2kW

Solar Hybrid Inverter | 24V Battery | Dual AC Output



RATED POWER **4200VA / 4200W**	BATTERY VOLTAGE **24V DC**
SURGE POWER **8400VA**	MAX PV ARRAY POWER **5000W**
MAX CHARGE CURRENT **120A**	PEAK EFFICIENCY **93%**

OVERVIEW

The EURONET E-SK4224V1 is a 4200VA / 4200W solar hybrid inverter from the Shark Series with dual AC outputs, built for larger homes and light off-grid loads on a 24V DC battery. It supports up to 5000W of PV array power, 120A maximum charging and an 8400VA surge for demanding start-up loads. Pure sine wave output, MPPT solar charging from a wide PV input starting at 30V DC, BMS communication for lithium batteries, lead-acid compatibility, feed-in to grid and WiFi monitoring make it a capable hybrid solution for growing household energy needs.

KEY FEATURES

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

Wide PV Input from 30V DC
MPPT solar charger tracks from 30V DC up to 450V DC, accepting up to 5000W of PV array power in total

120A Maximum Charging
Up to 120A from solar and 100A from AC to recharge the 24V 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-SK4224V1: 4200VA / 4200W, 24V DC battery. Output 4200W with PV & battery, 4000W battery only; dual AC outputs; 8400VA surge; 93% peak efficiency; pure sine wave. Input 230V AC, 170V–280V AC (PCs) or 90V–280V AC (appliances). MPPT: 450V DC max Voc, 5000W, 18A, 30V–450V DC. Charge: 120A solar, 100A AC, 120A max. Float 27V DC, overcharge protection 32V DC. 9 kg.

© 2026 Euronet Technologies LLC. All rights reserved. | ISO 9001:2015 Certified

E-SK4224V1

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-SK4224V1
Series	Shark Series
Type	Solar hybrid inverter
Rated Power	4200VA / 4200W
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)	4200W
Output Power (Battery Only)	4000W
AC Outputs	Dual
Surge Power	8400VA
Peak Efficiency	93%
Transfer Time	10ms (PCs) / 20ms (home appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	24V DC
Floating Charge Voltage	27V DC
Overcharge Protection	32V 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	450V DC
Max PV Array Power	5000W
Max PV Input Current	18A
MPP Range (Operating)	30V–450V DC
Max Solar Charge Current	120A
Max AC Charge Current	100A
Max Charge Current	120A
COMMUNICATION	
Communication Interface	RS232 / RS485 (BMS) / WiFi
Monitoring	WiFi · app / web
PHYSICAL & ENVIRONMENTAL	
Dimensions (D×W×H)	90 × 288 × 357 mm
Net Weight	9 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.*

© 2026 Euronet Technologies LLC. All rights reserved. | ISO 9001:2015 Certified