E-SK3224V1

EURONET SHARK HYBRID INVERTER – 3.2kW

Solar Hybrid Inverter | 24V Battery | MPPT Charger



RATED POWER **3200VA / 3000W**	BATTERY VOLTAGE **24V DC**
SURGE POWER **6000VA**	MAX PV ARRAY POWER **3000W**
MAX CHARGE CURRENT **100A**	PEAK EFFICIENCY **93%**

OVERVIEW

The EURONET E-SK3224V1 is a 3200VA / 3000W solar hybrid inverter from the Shark Series for homes and small off-grid solar installations running on a 24V DC battery. It offers more power than the 12V model with a 6000VA surge rating, while keeping pure sine wave output and MPPT solar charging from a wide PV input starting at 30V DC. Up to 3000W of panels and 100A of charging current, BMS communication for lithium batteries, lead-acid compatibility, feed-in to grid and WiFi monitoring make it a versatile choice for everyday home backup.

KEY FEATURES

Wide PV Input from 30V DC
MPPT solar charger tracks from 30V DC up to 400V DC, with a 450V DC maximum PV open-circuit voltage

100A Maximum Charging
Up to 100A from solar and 80A 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

Built-in Anti-Dust Kit
Detachable dust cover protects internal components in dusty homes, sheds and field installations

TECHNICAL NOTE

E-SK3224V1: 3200VA / 3000W, 24V DC battery. Output 3000W with PV & battery, 2500W battery only; single AC output; 6000VA surge; 93% peak efficiency; pure sine wave. Input 230V AC, 170V–280V AC (PCs) or 90V–280V AC (appliances). MPPT: 450V DC max Voc, 3000W, 13A, 30V–400V DC. Charge: 100A solar, 80A AC, 100A max. Float 27V DC, overcharge protection 32V DC. 7.0 kg.

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E-SK3224V1

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-SK3224V1
Series	Shark Series
Type	Solar hybrid inverter
Rated Power	3200VA / 3000W
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)	3000W
Output Power (Battery Only)	2500W
AC Outputs	Single
Surge Power	6000VA
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	3000W
Max PV Input Current	13A
MPP Range (Operating)	30V–400V DC
Max Solar Charge Current	100A
Max AC Charge Current	80A
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	7.0 kg
Dust Protection	Built-in anti-dust kit detachable dust cover
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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