E-SK212V1

EURONET SHARK HYBRID INVERTER – 2kVA

Solar Hybrid Inverter | 12V Battery | MPPT Charger



RATED POWER	BATTERY VOLTAGE
2000VA / 1500W	12V DC
SURGE POWER	**MAX PV ARRAY POWER**
3000VA	2000W
MAX CHARGE CURRENT	**PEAK EFFICIENCY**
100A	93%

OVERVIEW

The EURONET E-SK212V1 is a 2000VA / 1500W solar hybrid inverter from the Shark Series, designed for residential backup and small off-grid systems running on a 12V DC battery. Built-in MPPT solar charging accepts a wide PV input starting at 30V DC and up to 2000W of panels, with up to 100A of charging current from solar and AC. It delivers pure sine wave output with a 3000VA surge rating, supports lithium batteries through its BMS port as well as lead-acid batteries, and adds feed-in to grid and WiFi monitoring in a compact 6.5kg unit.

KEY FEATURES

Wide PV Input from 30V DC
MPPT solar charger tracks from 30V DC up to 300V DC, with a 350V DC maximum PV open-circuit voltage

100A Maximum Charging
Up to 100A from solar and 80A from AC to recharge the 12V 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-SK212V1: 2000VA / 1500W, 12V DC battery. Output 1500W with PV & battery, 1200W battery only; single AC output; 3000VA surge; 93% peak efficiency; pure sine wave. Input 230V AC, 170V–280V AC (PCs) or 90V–280V AC (appliances). MPPT: 350V DC max Voc, 2000W, 13A, 30V–300V DC. Charge: 100A solar, 80A AC, 100A max. Float 13.5V DC, overcharge protection 16V DC. 6.5 kg.

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E-SK212V1

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-SK212V1
Series	Shark Series
Type	Solar hybrid inverter
Rated Power	2000VA / 1500W
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)	1500W
Output Power (Battery Only)	1200W
AC Outputs	Single
Surge Power	3000VA
Peak Efficiency	93%
Transfer Time	10ms (PCs) / 20ms (home appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	12V DC
Floating Charge Voltage	13.5V DC
Overcharge Protection	16V 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	350V DC
Max PV Array Power	2000W
Max PV Input Current	13A
MPP Range (Operating)	30V–300V 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	6.5 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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