

PRODUCT CATALOGUE

EURONET SOLAR INVERTERS | GEN-5

2026



The EURONET 5th Generation Inverter Series represents a comprehensive range of advanced energy solutions engineered to deliver dependable performance, intelligent power management, and long-term operational efficiency. Developed to support residential, commercial, and industrial applications, the series combines cutting-edge inverter technology with robust design standards to ensure seamless solar integration, stable power output, and enhanced system reliability. From compact off-grid models to advanced hybrid inverter systems, the EURONET Inverter Series is built to meet diverse energy requirements while supporting the growing demand for smarter and more sustainable power solutions.

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After Sales Support

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combining functionality,
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Globally Certified Excellence

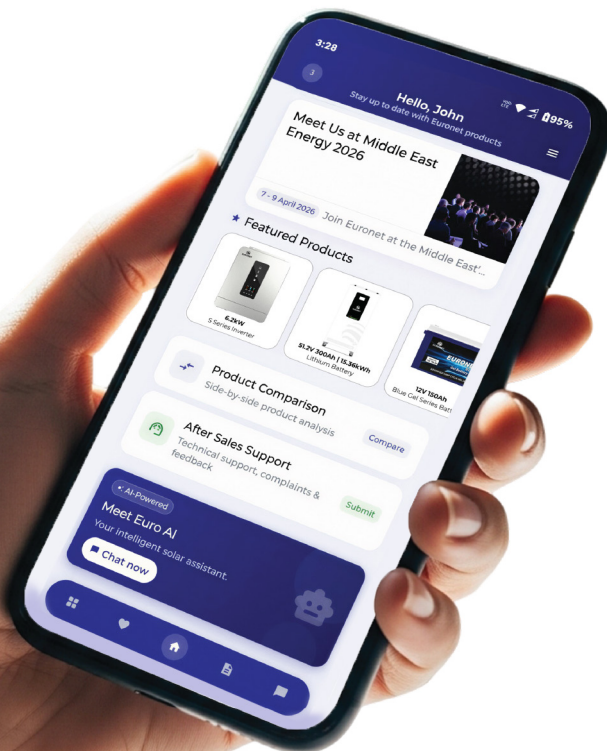
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global standards

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ecosystem

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Solar Inverter Series Catalogue - 2026

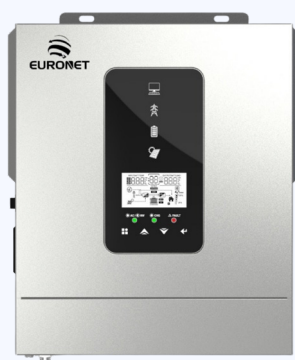
EURONET 5th Generation Inverter Platform

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SERIES A

GEN-5 SOLAR INVERTER — A SERIES

A 1K | A 2.2K | A 3.2K



POWER RANGE

1.0–3.2 kW

BATTERY VOLTAGE

12 / 24 VDC

MAX PV VOLTAGE (VOC)

150 / 450 VDC

MPPT RANGE

20–150 VDC (A1K) /
55–450 VDC
(A2.2K & A3.2K)

MAX SOLAR CHARGE

40–80 A

OUTPUT

230 VAC

OVERVIEW

The A Series integrates an inverter, MPPT solar charge controller and AC charger into a single compact unit, enabling optimised solar energy utilisation and stable power output. Engineered for residential and small off-grid applications, these units support seamless integration with solar panels, battery storage and AC power sources with intelligent charging technology and comprehensive built-in protection.

KEY FEATURES

Pure Sine Wave Output

Stable and reliable AC output suitable for residential appliances and sensitive electronics

Lithium Battery Compatibility

Compatible with lithium and lead-acid battery systems for versatile energy storage integration

Built-in MPPT Solar Charger

Integrated MPPT technology improves solar energy harvesting efficiency and charging performance

Smart Battery Charging

Optimised charging management helps improve battery performance and extend battery life

Wide PV Input Voltage Range

Supports flexible solar panel configurations for small residential off-grid systems

LCD Status Display

User-friendly LCD interface provides real-time system monitoring and operational status

TECHNICAL NOTE

A 1K operates on 12V DC battery with a 20–150V DC MPPT range and 40A maximum solar charging current. A 2.2K and A 3.2K extend the MPPT range to 55–450V DC, supporting higher-voltage PV strings. All models output 230 VAC pure sine wave at 50/60Hz and carry CE / RoHS certification for international distribution.

A SERIES

SOLAR INVERTER SPECIFICATIONS

PARAMETER	A 1K	A 2.2K	A 3.2K
GENERAL			
EURONET Model Code	E-A1KW12V	E-A2.2KW12V	E-A3.2KW24V
Rated Power	1000VA / 1000W	2200VA / 1800W	3200VA / 3000W
Output Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Colour	Silver and Black	Silver and Black	Silver and Black
Ingress Protection	IP21	IP21	IP21
DC INPUT			
Battery Voltage	12V DC	12V DC	24V DC
AC OUTPUT			
Output Voltage	230VAC, 50/60Hz	230VAC, 50/60Hz	230VAC, 50/60Hz
Output Current	4.3A	7.8A	13.0A
Voltage Regulation	230VAC ±5%	230VAC ±5%	230VAC ±5%
AC CHARGER MODE			
AC Input	230VAC, 5.88A	230VAC, 12A	230VAC, 21.3A
DC Output Voltage	13.5V DC	13.5V DC	27V DC
Max AC Charging Current	40A	60A	60A
SOLAR CHARGER MODE			
Rated PV Power	600W	2000W	3000W
Nom. Operating Voltage	240V DC	240V DC	240V DC
Max Solar Voltage (Voc)	150V DC	450V DC	450V DC
MPPT Voltage Range	20–150V DC	55–450V DC	55–450V DC
Max Solar Current	40A	80A	80A
ENVIRONMENT			
Operating Temperature	-10 to +50°C	-10 to +50°C	-10 to +50°C
*All specifications at 25°C ambient unless stated. Certification	CE / RoHS	CE / RoHS	CE / RoHS

SERIES S

GEN-5 SOLAR INVERTER — S SERIES

S 4.2K | S 6.2K | S 10.2K



POWER RANGE

4.2–10.2 kW

BATTERY VOLTAGE

24 / 48 VDC

MAX PV INPUT (S 10.2K)

10.8 kW

MAX SOLAR CHARGE

120–160 A

PEAK EFFICIENCY (S 10.2K)

98%

AC OUTPUTS

2 independent

OVERVIEW

The S Series targets medium-to-large residential and light commercial installations requiring high PV input power and dual AC output channels. The S 10.2K adds a second independent PV input (5400W + 5400W) and 160A solar charging with a 98% peak efficiency. All S Series units support on/off-grid operation, battery-free PV mode and full lithium BMS integration via WiFi and GPRS.

KEY FEATURES

Dual AC Load Output

Independently control critical and general loads - fully installer-configurable per site

Battery-Free Operation Mode

PV powers loads directly when battery is absent or depleted - zero supply interruption

Dual PV Input (S 10.2K)

Two independent MPPT channels - 5400W + 5400W - ideal for split roof arrays

160A Solar Charging (S 10.2K)

Up to 160A solar charging for high-capacity residential and light commercial installations

High PV Voltage Range

60–450 VDC for S 4.2K and S 6.2K, 90–450V DC for S 10.2K - flexible string design

Configurable Load Voltages

User-defined main load cut-off and return voltages for site-specific battery management

TECHNICAL NOTE

The S Series operates on 24 VDC and 48 VDC battery platforms depending on model configuration. S 4.2K supports 24 VDC operation, while S 6.2K and S 10.2K operate on 48 VDC systems. The series supports high-voltage PV input up to 500 VDC, dual AC output control, battery-free operation, and lithium battery communication integration. S 10.2K features dual independent MPPT inputs with a combined PV input capacity of 10.8kW and up to 160A solar charging current for larger residential and light commercial installations.

S SERIES

SOLAR INVERTER SPECIFICATIONS

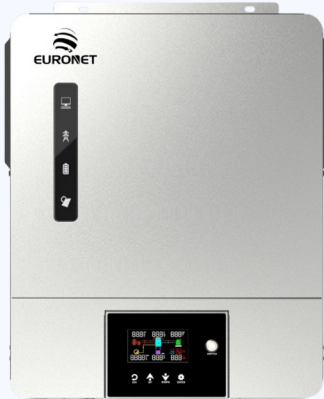
PARAMETER	S 4.2K	S 6.2K	S 10.2K
GENERAL			
EURONET Model Code	E-S4.2KW24V	E-S6.2KW48V	E-S10.2KW48V
Rated Power	4200VA / 4200W	6200VA / 6200W	10200W (Full Load)
Colour	Silver and Black	Silver and Black	Silver and Black
Ingress Protection	IP21	IP21	IP21
DC INPUT			
Battery Voltage	24V DC	48V DC	48V DC
DC Input Current (max)	175A	130A	212.5A
AC CHARGER MODE			
AC Input	230VAC, 26.2A	230VAC, 47.8A	230VAC, 60A
DC Output Voltage	27V DC	54V DC	48V DC
Max AC Charging Current	100A (Default 30A)	100A (Default 30A)	140A
AC OUTPUT			
AC Output	230VAC, 18.2A	230VAC, 26.9A	230VAC, 44.3A
PV INPUT			
Nom. Operating Voltage	240V DC	360V DC	360V DC
Max PV Voltage	500V DC	500V DC	500V DC
PV Voltage Range	60–450V DC	60–450V DC	90–450V DC
Max PV Current	27A	27A	18A + 18A
Max PV Input Power	6200W	8000W	5400W + 5400W
Max Solar Charging Current	120A	120A	160A
Max Conversion Efficiency	98%	98%	98%
INVERTER MODE			
Full Load	4200W	6200W	10200W
Second Load Range	840W–2940W	1240W–4340W	2040W–7140W
Main Load Cut-Off Voltage	22V DC	44V DC	52V DC
Main Load Return Voltage	26V DC	52V DC	54V DC
ENVIRONMENT			
Operating Temperature	-10 to +50°C	-10 to +50°C	-10 to +50°C
Certification	CE / RoHS	CE / RoHS	CE / RoHS

**All specifications at 25°C ambient unless stated.*

SERIES RS

GEN-5 SOLAR INVERTER — RS SERIES

RS 4.2K | RS 6.2K



POWER RANGE

4.2–6.2 kW

BATTERY VOLTAGE

24 / 48 VDC

MAX PV INPUT POWER

6.2 / 8.0 kW

MAX SOLAR CHARGE

120 A

MAX PV VOLTAGE

500 VDC

LCD RANGE

100 m

OVERVIEW

The RS Series combines a pure sine wave inverter, MPPT solar charger and AC charger in a wall-mount unit with a distinctive movable LCD interface extensible up to 100 metres. Dual-port communication supports BMS and WiFi simultaneously. Battery-free operation enables PV to power loads directly, reducing total system cost - the preferred channel SKU for premium residential solar installations across MEA.

KEY FEATURES

Movable LCD - Up to 100m

Remote display placement for any building layout without additional wiring infrastructure

Dual Communication Ports

Independent BMS and WiFi ports operate concurrently - no monitoring compromise

Battery-Free Operation

PV system powers loads directly without a battery present - reduces total system cost

Lithium Battery Auto-Activation

Built-in protocol awakens protected lithium packs - zero manual intervention required

WiFi and GPRS Monitoring

iOS and Android app with real-time energy data and remote alerts

Dual AC Load Output

Configurable main and second load outputs with user-defined cut-off voltages

TECHNICAL NOTE

RS 4.2K operates on 24V DC battery (default 30A AC charging, maximum 100A). RS 6.2K operates on 48V DC (default 30A AC charging, maximum 100A). Both models support a 60–450V DC PV input voltage range with 500V DC maximum open-circuit voltage. Second load output range: 840W–2940W (RS 4.2K) and 1240W–4340W (RS 6.2K). Dual load cut-off and return voltages are user-configurable via LCD.

RS SERIES

SOLAR INVERTER SPECIFICATIONS

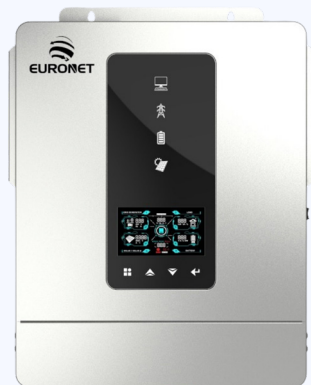
PARAMETER	RS 4.2K	RS 6.2K
GENERAL		
EURONET Model Code	E-RS4.2KW24V	E-RS6.2KW48V
Rated Power	4200VA / 4200W	6200VA / 6200W
Output Waveform	Pure Sine Wave	Pure Sine Wave
Colour	Silver and Black	Silver and Black
Ingress Protection	IP21	IP21
DC INPUT		
Battery Voltage	24V DC	48V DC
DC Input Current (max)	175A	130A
AC CHARGER MODE		
AC Input	230VAC, 26.2A, 1Ph	230VAC, 47.8A, 1Ph
DC Output Voltage	27V DC	54V DC
Max AC Charging Current	100A (Default 30A)	100A (Default 30A)
AC OUTPUT		
AC Output	230VAC, 50/60Hz, 18.2A	230VAC, 50/60Hz, 26.9A
PV INPUT		
Nom. Operating Voltage	240V DC	360V DC
Max PV Voltage	500V DC	500V DC
PV Voltage Range	60–450V DC	60–450V DC
Max PV Current	27A	27A
Full Load MPPT Range	240–450V DC	240–450V DC
Max PV Input Power	6200W	8000W
Max Solar Charging Current	120A	120A
INVERTER MODE		
Full Load	4200W	6200W
Max Main Load	4200W	6200W
Second Load Range	840W–2940W	1240W–4340W
Main Load Cut-Off Voltage	22V DC	44V DC
Main Load Return Voltage	26V DC	52V DC
ENVIRONMENT		
Operating Temperature	-10 to +50°C	-10 to +50°C
Certification	CE / RoHS	CE / RoHS

**All specifications at 25°C ambient unless stated.*

SERIES RSZ

GEN-5 SOLAR INVERTER — RSZ SERIES

RSZ 6.5K | RSZ 12K



RATED POWER

6.5 / 12.0 kW

PEAK EFFICIENCY

97.5 %

MAX SOLAR CHARGE

140 / 230 A

PARALLEL UNITS

9 max

MAX PV INPUT POWER

10 / 14.5 kW

NIGHT NOISE LEVEL

<40 dB

OVERVIEW

The RSZ Series is EURONET's most advanced residential inverter platform - delivering up to 97.5% peak conversion efficiency, dual AC inputs (mains and generator), parallel operation up to 9 units, and smart noise control below 40dB at night. Dual independent MPPT inputs with 18A + 18A capacity maximise yield from multi-orientation arrays. Bluetooth direct-connect enables commissioning without any network access.

KEY FEATURES

97.5% Conversion Efficiency

RSZ 12K achieves 97.5% maximum efficiency - less heat, lower losses and longer service life

Parallel Operation - 9 Units

Supports parallel operation of up to 9 identical units in single-phase or three-phase configurations.

Dual AC Inputs

Dedicated mains and generator interfaces with intelligent auto-switching and prioritisation

Smart Noise Control

Less than 50dB rated, less than 40dB at night - suitable for bedroom-adjacent installations

Dual Independent MPPT

Two 18A MPPT channels - 10kW PV capacity on RSZ 6.5K, 14.5kW on RSZ 12K

Wireless Firmware Upgrade

Update firmware via Bluetooth without network access - fully field-serviceable

TECHNICAL NOTE

Both RSZ models operate on 48V DC battery. RSZ 6.5K: max battery current 140A, max PV power 10kW, surge power 13000VA. RSZ 12K: max battery current 230A, max PV power 14.5kW, surge power 18000VA. PV input voltage range: 120–480V DC. Full load MPPT range: 240–450V DC (RSZ 6.5K), 340–450V DC (RSZ 12K). Ingress protection rating: IP20. Operating temperature: -20 to +65°C - widest thermal range in the EURONET inverter lineup.

RSZ SERIES

SOLAR INVERTER SPECIFICATIONS

PARAMETER	RSZ 6.5K	RSZ 12K
GENERAL		
EURONET Model Code	E-RSZ6.5KW48V	E-RSZ12KW48V
Rated Power	6500W (Full Load)	12000W (Full Load)
Battery Voltage	48V DC	48V DC
Max Battery Current	140A	230A
Colour	Silver and Black	Silver and Black
Ingress Protection	IP20	IP20
PV INPUT		
Nom. Operating Voltage	360V DC	360V DC
Max PV Voltage	480V DC	480V DC
PV Input Voltage Range	120–480V DC	120–480V DC
Max PV Current	18A + 18A	18A + 18A
Full Load MPPT Range	240–450V DC	340–450V DC
Max PV Input Power	10000W	14500W
Max Solar Charging Current	140A	230A
GRID / AC OUTPUT		
Nominal Output Voltage	220 / 230 / 240VAC	220 / 230 / 240VAC
Grid Voltage Range	184–253VAC	184–253VAC
Grid Frequency Range	47.5–51.5 / 57–62Hz	47.5–51.5 / 57–62Hz
Nominal Output Current	28.5A	52.1A
Power Factor	>0.99	>0.99
Max Conversion Efficiency	97.30%	97.50%
TWO LOAD OUTPUT		
Full Load	6500W	12000W
Max Main Load	6500W	12000W
Max Second Load	4550W	8400W
Surge Power	13000VA	18000VA
AC INPUT		
Nominal Input Voltage	230VAC	230VAC
Max AC Input Current	40A	65A
Max AC Charging Current	140A	230A
ENVIRONMENT		
Operating Temperature	-20 to +65°C	-20 to +65°C
Certification	CE / RoHS	CE / RoHS

**All specifications at 25°C ambient unless stated.*



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