www.euronet.co

PRODUCT CATALOGUE

SOLAR PUMP INVERTER

2026

The EURONET Solar Pump Inverter range delivers reliable solar-powered water pumping across six models from 2.2 kW to 18.5 kW, covering single-phase and three-phase installations for agricultural, residential, and industrial applications. Featuring built-in MPPT technology with over 99% tracking efficiency, advanced SVC motor control, and optional PV/Grid automatic switching, the range is engineered for dependable operation in off-grid and harsh environments including deep-well applications to 200 metres. Conformal coating, RS-485 Modbus communication, IEC 61800-5-1 safety compliance, and CE Marking make the series suitable for demanding deployments across the Middle East, Africa, and Central Asia.

© 2026 Euronet Technologies LLC. All rights reserved.

ISO 9001:2015 Certified

POWERING PROGRESS ACROSS THE GLOBE

3000+
Distributors

15+
Industries

60+
Countries & Region

24/7 Intelligent Assistance
Sales Support and
After Sales Support

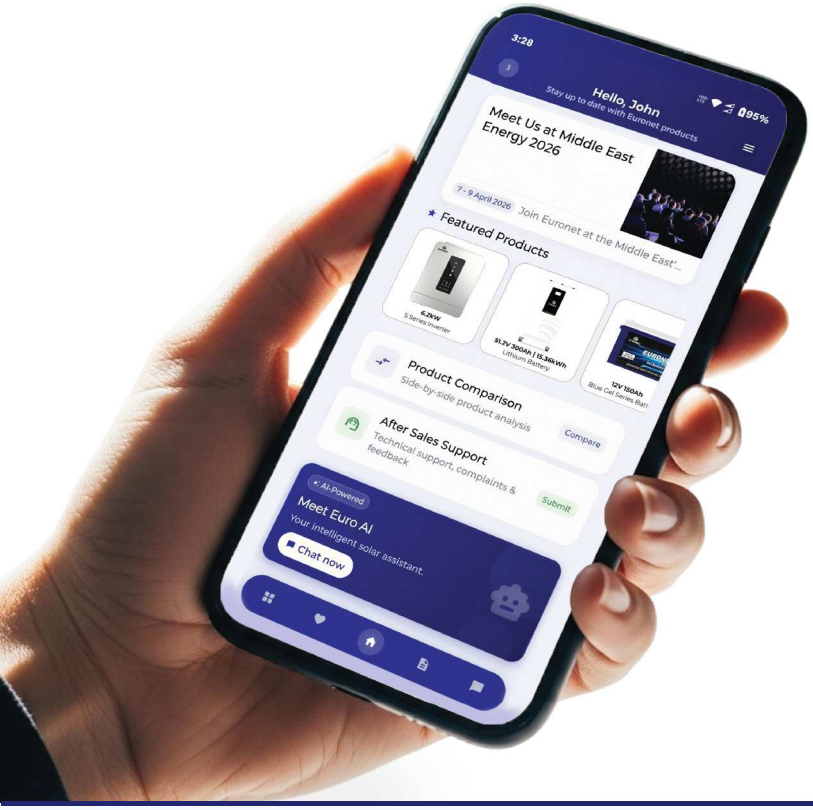
250+
Product Categories & SKUs

Design
Innovative design shapes our products combining functionality, efficiency, and aesthetics to meet diverse global energy needs.

Globally Certified Excellence
Certified to meet global standards

One Stop Ecosystem
Complete digital ecosystem

20+
Years of Excellence



Download the myEuronet App

myEuronet is the official app for Euronet customers, distributors, installers, and partners, giving you instant access to Euronet's complete smart energy and technology ecosystem in one place. Explore product Catalogues, compare solutions, access detailed specifications, save products, and stay updated with the latest innovations across solar energy, batteries, power & electrical, security, surveillance, and IoT solutions anytime, anywhere.

Scan the QR Code to Download the App

Download on the App Store

GET IT ON Google Play

© 2026 Euronet Technologies LLC. All rights reserved.

ISO 9001:2015 Certified

Solar Pump Inverter Product Catalogue 2026

High-efficiency solar water pumping solutions for every application

Solar Pump Inverter

- E-SPI2.2K1P — 2.2KW / 3HP 1
- E-SPI5.5K3P — 5.5KW / 7.5HP 2
- E-SPI7.5K3P — 7.5KW / 10HP 3
- E-SPI11K3P — 11KW / 15HP 4
- E-SPI15K3P — 15KW / 20HP 5
- E-SPI18.5K3P — 18.5KW / 25HP 6

© 2026 Euronet Technologies LLC. All rights reserved.

2.2KW PUMP INVERTER / 3HP

Single-phase 220V Solar Pump Inverter with MPPT and SVC for small-scale irrigation

MODEL **E-SPI2.2K1P**	MOTOR POWER **2.2KW / 3HP**
NOMINAL CAPACITY **4 KVA**	INPUT **1PH 220V AC / 450VDC PV**
OUTPUT CURRENT **9.6A**	NET WEIGHT **1 KG**

OVERVIEW

The Euronet E-SPI2.2K1P is a 2.2KW single-phase Solar Pump Inverter for agricultural irrigation, household water supply, and off-grid rural applications. It accepts 220V AC or up to 450VDC PV input, with built-in MPPT at over 99% efficiency and SVC delivering 150% starting torque at 0.5Hz for deep-well pump startup to 200 metres.

KEY FEATURES

99%+ MPPT Efficiency
Maximizes solar energy extraction across 350–250VDC, even under variable sunlight.

150% Starting Torque
Delivers high low-frequency torque (0.5Hz) for reliable deep-well pump startups under heavy loads.

200m Deep Well Rating
Engineered for deep-well applications with cloud-shade adaptation to maintain steady water flow.

PV / Grid Auto-Switch
Integrates with an optional external kit for automatic solar-to-grid switching and 7/24 water supply.

Conformal Coating
Standard internal board protection shields components against dust, humidity, and harsh field environments.

RS-485 Modbus
Built-in protocol enables seamless remote monitoring, parameter management, and system integration.

TECHNICAL NOTE

Model E-SPI2.2K1P. Motor: 2.2KW/3HP. Nominal Capacity: 4KVA. Input: AC 1PH 220V(–15%) to 240V(+10%) / 450VDC PV. VOC: 360–430VDC. MPPT: 250–350VDC. Start-up: 160–450VDC (Adjustable). Input Current: 23A. Output Current: 9.6A.
Dimensions (H×W×D): 197.5×99×152mm. Weight: 1kg. Package: 238×141×207mm. Cable: RST/UVW 4mm² / PE 4mm² / PV 4mm². Set Screw: M4, 1.3–1.5Nm.
Control: SVC / V/F. Starting Torque: 0.5Hz/150% (SVC). Overload: 150%/60s; 170%/12s; 190%/1.5s. Output Frequency: 0.1–500Hz.
Communication: RS-485 Modbus. Temp: –10°C to 50°C. Storage: –20°C to 60°C. Humidity: <95% RH.
Safety: IEC 61800-5-1. EMC: IEC 61800-3(C3). Specifications subject to change without notice.

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

5.5KW PUMP INVERTER / 7.5HP

Three-phase 380V Solar Pump Inverter with MPPT and SVC for medium-scale.

MODEL **E-SPI5.5K3P**	MOTOR POWER **5.5KW / 7.5HP**
NOMINAL CAPACITY **11 KVA**	INPUT **3PH 380V AC / 900VDC PV**
OUTPUT CURRENT **13A**	NET WEIGHT **1.5 KG**

OVERVIEW

The Euronet E-SPI5.5K3P is a 5.5KW three-phase Solar Pump Inverter for medium-scale agricultural irrigation and community water supply. It accepts 380V three-phase AC or up to 900VDC PV input with MPPT across 450–600VDC, and SVC control providing 150% starting torque at 0.5Hz for deep-well installations.

KEY FEATURES

99%+ MPPT Efficiency
Tracks the 600–450VDC MPP at >%99 efficiency to maximize solar harvesting in variable sunlight.

150% Starting Torque
Delivers %150 torque at 0.5Hz for reliable startup of medium, surface, and deep-well pumps.

900VDC PV Input
Supports up to 900VDC open-circuit input (750–550VDC VOC) for standard commercial three-phase arrays.

Cloud Shade Adaptation
Automatically adjusts to rapid irradiance drops to prevent sudden system shutdowns.

Compact Enclosure
Uses a space-saving 197.5×152×99mm housing—the smallest three-phase footprint in the lineup.

RS-485 Modbus
Built-in protocol supports remote monitoring, parameter management, and SCADA or myEuronet integration.

TECHNICAL NOTE

Model E-SPI5.5K3P. Motor: 5.5KW/7.5HP. Nominal Capacity: 11KVA. Input: AC 3PH 380V(–15%) to 440V(+10%) / 900VDC PV. VOC: 550–750VDC. MPPT: 450–600VDC. Start-up: 300–900VDC (Adjustable). Input Current: 13.9A. Output Current: 13A.
Dimensions (H×W×D): 197.5×99×152mm. Weight: 1.5kg. Package: 238×141×207mm. Cable: RST/UVW 4mm² / PE 4mm² / PV 4mm². Set Screw: M4, 1.3–1.5Nm.
Control: SVC / V/F. Starting Torque: 0.5Hz/150% (SVC). Overload: 150%/60s; 170%/12s; 190%/1.5s. Output Frequency: 0.1–500Hz.
Communication: RS-485 Modbus. Temp: –10°C to 50°C. Storage: –20°C to 60°C. Humidity: <95% RH.
Safety: IEC 61800-5-1. EMC: IEC 61800-3(C3). Specifications subject to change without notice.

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

7.5KW PUMP INVERTER / 10HP

Three-phase 380V Solar Pump Inverter for mid-large agricultural irrigation.

MODEL **E-SPI7.5K3P**	MOTOR POWER **7.5KW / 10HP**
NOMINAL CAPACITY **15 KVA**	INPUT **3PH 380V AC / 900VDC PV**
OUTPUT CURRENT **17A**	NET WEIGHT **3.5 KG**

OVERVIEW

The Euronet E-SPI7.5K3P is a 7.5KW three-phase Solar Pump Inverter for mid-to-large agricultural irrigation, livestock farms, and industrial water supply. It accepts 380V AC or up to 900VDC PV input with 450–600VDC MPPT, and SVC delivering 150% starting torque at 0.5Hz for deep-well pump applications.

KEY FEATURES

15KVA / 17A Output
Powers 7.5KW/10HP motor loads with a 17A nominal capacity for reliable mid-to-large pump operation.

900VDC PV Input
Accepts up to 900VDC (750–550VDC VOC / 600–450VDC MPPT) for efficient three-phase solar array operation.

%150 SVC Starting Torque
Delivers %150 torque at 0.5Hz for smooth, grid-independent startup of deep-well and high-head pumps.

Stepped-Up Enclosure
Features an expanded 245×180.5×124mm housing to optimize thermal management during sustained 7.5KW operation.

200m Deep Well Design
Engineered for deep-well submersibles up to 200 meters with cloud-shade adaptation to maintain flow.

Programmable I/O
Includes 5 digital inputs, 1 analog input, 1 relay, and 1 analog output for easy integration with level sensors & flow switches.

TECHNICAL NOTE

Model E-SPI7.5K3P. Motor: 7.5KW/10HP. Nominal Capacity: 15KVA. Input: AC 3PH 380V(–15%) to 440V(+10%) / 900VDC PV. VOC: 550–750VDC. MPPT: 450–600VDC. Start-up: 300–900VDC (Adjustable). Input Current: 18.9A. Output Current: 17A.
Dimensions (H×W×D): 245×124×180.5mm. Weight: 3.5kg. Package: 288×184×221mm. Cable: RST/UVW 4mm² / PE 4mm² / PV 4mm². Set Screw: M4, 1.3–1.5Nm.
Control: SVC / V/F. Starting Torque: 0.5Hz/150% (SVC). Overload: 150%/60s; 170%/12s; 190%/1.5s. Output Frequency: 0.1–500Hz.
Communication: RS-485 Modbus. Temp: –10°C to 50°C. Storage: –20°C to 60°C. Humidity: <95% RH.
Safety: IEC 61800-5-1. EMC: IEC 61800-3(C3). Specifications subject to change without notice.

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

11KW PUMP INVERTER / 15HP

Three-phase 380V 11KW Solar Pump Inverter for large-scale agricultural irrigation.

MODEL **E-SPI11K3P**	MOTOR POWER **11KW / 15HP**
NOMINAL CAPACITY **30 KVA**	INPUT **3PH 380V AC / 900VDC PV**
OUTPUT CURRENT **25A**	NET WEIGHT **3.5 KG**

OVERVIEW

The Euronet E-SPI11K3P is an 11KW three-phase Solar Pump Inverter for large agricultural irrigation systems, commercial water infrastructure, and high-demand off-grid deployments. With 30KVA nominal capacity and 25A output, it drives 15HP motors from a 900VDC PV array or 380V three-phase grid, with full SVC and V/F motor control.

KEY FEATURES

30KVA / 25A Output
Powers 11KW/15HP motors with a 25A nominal capacity for large agricultural and commercial pump systems.

6mm² Cable Rating
Terminals support up to 6mm² wiring with M5 set screws (2.0–2.5Nm) for safe, continuous 11KW operation.

SVC 150% Starting Torque
Delivers 150% torque at 0.5Hz to reliably start large submersible pumps under heavy loads in deep wells.

Stall & Overload Prevention
Automatically limits current and voltage to prevent nuisance tripping during heavy irrigation loads.

Rapid Current Limiting
Reduces over-current fault risks to keep the VFD operating smoothly during sudden pump startup transients.

Built-in PID
Simplifies closed-loop pressure or flow control, eliminating the need for external system controllers.

TECHNICAL NOTE

Model E-SPI11K3P. Motor: 11KW/15HP. Nominal Capacity: 30KVA. Input: AC 3PH 380V(–15%) to 440V(+10%) / 900VDC PV. VOC: 550–750VDC. MPPT: 450–600VDC. Start-up: 300–900VDC (Adjustable). Input Current: 27.8A. Output Current: 25A.
Dimensions (H×W×D): 245×124×180.5mm. Weight: 3.5kg. Package: 288×184×221mm. Cable: RST/UVW 6mm² / PE 6mm² / PV 6mm². Set Screw: M5, 2.0–2.5Nm.
Control: SVC / V/F. Starting Torque: 0.5Hz/150% (SVC). Overload: 150%/60s; 170%/12s; 190%/1.5s. Output Frequency: 0.1–500Hz.
Communication: RS-485 Modbus. Temp: –10°C to 50°C. Storage: –20°C to 60°C. Noise: 65dBA max.
Safety: IEC 61800-5-1. EMC: IEC 61800-3(C3). Specifications subject to change without notice.

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

15KW PUMP INVERTER / 20HP

Three-phase 380V 15KW Solar Pump Inverter for high-capacity agricultural irrigation.

MODEL **E-SPI15K3P**	MOTOR POWER **15KW / 20HP**
NOMINAL CAPACITY **37 KVA**	INPUT **3PH 380V AC / 900VDC PV**
OUTPUT CURRENT **32A**	NET WEIGHT **5.5 KG**

OVERVIEW

The Euronet E-SPI15K3P is a 15KW three-phase Solar Pump Inverter for high-capacity agricultural irrigation and industrial water systems. With 37KVA nominal capacity and 32A output, it is housed in the larger 165×195×310mm enclosure shared with the 18.5KW model, accommodating the thermal requirements of sustained 20HP operation.

KEY FEATURES

37KVA / 32A Output
Powers 15KW/20HP motors with a 32A nominal capacity for high-capacity irrigation and industrial pump systems.

10mm² Cable Rating
Terminals support up to 10mm² wiring with M5 set screws (2.0–2.5Nm) for safe, continuous 15KW operation.

Deceleration-to-Stop
Uses motor feedback energy during power loss to decelerate the pump smoothly, preventing mechanical damage.

Timer Control
Features a built-in 0.0–650.0 minute timer for automated irrigation scheduling and water storage management.

AVR — Output Stabilisation
Automatic Voltage Regulation stabilizes output during grid fluctuations to protect the connected motor.

Full Protective Suite
Includes short-circuit, phase loss, overcurrent, overvoltage, overheat, overload, underload, and weak-light protection.

TECHNICAL NOTE

Model E-SPI15K3P. Motor: 15KW/20HP. Nominal Capacity: 37KVA. Input: AC 3PH 380V(–15%) to 440V(+10%) / 900VDC PV. VOC: 550–750VDC. MPPT: 450–600VDC. Start-up: 300–900VDC (Adjustable). Input Current: 37.9A. Output Current: 32A.
Dimensions (H×W×D): 310×165×195mm. Weight: 5.5kg. Package: 400×240×275mm. Cable: RST/UVW 10mm² / PE 10mm² / PV 10mm².
Set Screw: M5, 2.0–2.5Nm.
Control: SVC / V/F. Starting Torque: 0.5Hz/150% (SVC). Overload: 150%/60s; 170%/12s; 190%/1.5s. Output Frequency: 0.1–500Hz.
Communication: RS-485 Modbus. Temp: –10°C to 50°C. Storage: –20°C to 60°C. Noise: 65dBA max.
Safety: IEC 61800-5-1. EMC: IEC 61800-3(C3). Specifications subject to change without notice.

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

18.5KW PUMP INVERTER / 25HP

Highest-capacity three-phase 380V Solar Pump Inverter for large-scale agricultural.

MODEL **E-SPI18.5K3P**	MOTOR POWER **18.5KW / 25HP**
NOMINAL CAPACITY **44 KVA**	INPUT **3PH 380V AC / 900VDC PV**
OUTPUT CURRENT **37A**	NET WEIGHT **5.5 KG**

OVERVIEW

The Euronet E-SPI18.5K3P is the highest-capacity model in the range, delivering 18.5KW/25HP with 44KVA nominal capacity and 37A output. It shares the 165×195×310mm enclosure with the 15KW model and is designed for large agricultural estates, industrial water treatment, and major off-grid community infrastructure.

KEY FEATURES

44KVA / 37A Output
Powers 18.5KW/25HP motors for large-scale installations with zero derating at rated load.

900VDC PV Input
Accepts up to 900VDC (750–550VDC VOC / 600–450VDC MPPT) for commercial three-phase string arrays.

SVC %150 Starting Torque
Delivers %150 torque at 0.5Hz for reliable startup of high-power submersible pumps under heavy-head conditions.

Full Protective Functions
Standard protection against short-circuits, phase loss, overcurrent, overvoltage, overheat, overload, underload.

Built-in PID Control
Simplifies closed-loop pressure or flow control, eliminating the need for external controllers in pressurized systems.

Shared Platform with 15KW
Uses the same 310×195×165mm footprint & 10mm² cable spec as the 15KW model for consistent multi-inverter system design.

TECHNICAL NOTE

Model E-SPI18.5K3P. Motor: 18.5KW/25HP. Nominal Capacity: 44KVA. Input: AC 3PH 380V(–15%) to 440V(+10%) / 900VDC PV. VOC: 550–750VDC. MPPT: 450–600VDC. Start-up: 300–900VDC (Adjustable). Input Current: 46.7A. Output Current: 37A.
Dimensions (H×W×D): 310×165×195mm. Weight: 5.5KG. Package: 400×240×275mm. Cable: RST/UVW 10mm² / PE 10mm² / PV 10mm².
Set Screw: M5, 2.0–2.5Nm.
Control: SVC / V/F. Starting Torque: 0.5Hz/150% (SVC). Overload: 150%/60s; 170%/12s; 190%/1.5s. Output Frequency: 0.1–500Hz.
Communication: RS-485 Modbus. Temp: –10°C to 50°C. Storage: –20°C to 60°C. Noise: 65dBA max.
Safety: IEC 61800-5-1. EMC: IEC 61800-3(C3). Specifications subject to change without notice.

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

Engineered for Performance. Built for Reliability

Delivering innovative power, energy storage, security, and technology solutions designed for efficiency, durability, and long-term value

Certifications & Standards

CB MARKED
International Safety Certification

CE MARKED
European Conformity Marked

IEC COMPLIANT
International Electrotechnical Commission

ISO 9001:2015
Quality Management

Power Beyond

Efficient · Intelligent · Reliable

www.euronet.co

© 2026 Euronet Technologies LLC. All rights reserved.