

PRODUCT CATALOGUE

PWM SOLAR CHARGE CONTROLLERS 2026



The Euro-PWM Series delivers reliable, cost-effective PWM charge control for 12V and 24V off-grid solar systems. With automatic 12V/24V system-voltage detection, a solar input up to 50V open-circuit voltage, and rated charge currents from 10A to 60A, the series suits small to mid-size residential and off-grid solar installations. An LCD display, dual USB output, selectable battery types (SLA / GEL / FLD), adjustable parameters, temperature compensation, and comprehensive protections provide simple, dependable charge management. Certified to ISO 9001:2015 with CB, CE, and IEC conformity, the range is distributed across the Middle East, Africa, and Central Asia through EURONET's global partner network.

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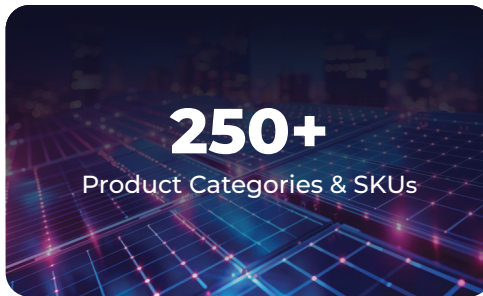
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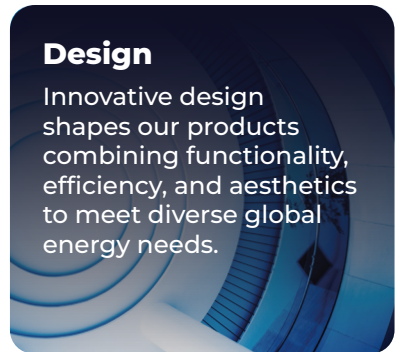
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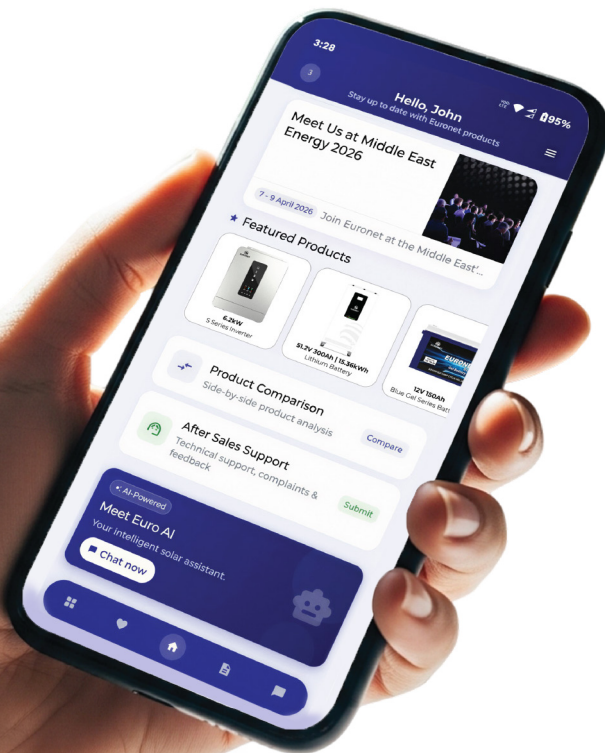
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PWM Charge Controller Catalogue 2026

PWM solar charge controllers for 12V and 24V off-grid solar systems

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PWM SOLAR CHARGE CONTROLLER 10A

PWM solar charge controller with auto 12V/24V system voltage and 10A rated charge current



RATED CHARGE CURRENT

10A

SYSTEM VOLTAGE

12V / 24V Auto

MAX PV VOLTAGE (VOC)

50V

CHARGE METHOD

PWM

DISPLAY

LCD + USB

USB OUTPUT

5V / 2A

OVERVIEW

A PWM solar charge controller with automatic 12V/24V system-voltage detection and 10A rated charge current, designed for small off-grid solar systems and battery charging applications. Featuring an LCD display for convenient system monitoring and user-friendly operation, it provides dependable charge management while multiple protection functions help safeguard batteries and connected loads for long service life.

KEY FEATURES

PWM Charge Control

Efficient pulse-width-modulation charging provides reliable and cost-effective battery management for off-grid solar systems.

Auto System Voltage

Automatically detects and operates with both 12V and 24V battery systems for simple installation and flexible application.

Comprehensive Protection

Built-in safeguards defend batteries and loads from over-voltage, reverse polarity, and over-current faults.

Smart LCD & USB Output

Features a clear screen for real-time system status and integrated USB ports for easy device charging.

Temperature Compensation

Automatically adjusts the charging profile based on ambient temperature to maximize efficiency and extend battery lifespan.

Stable Performance

Designed for dependable operation in residential, lighting, and small off-grid solar applications.

TECHNICAL NOTE

Rated charge current 30A; system voltage 12V/24V (auto); max PV open-circuit voltage <50V. PWM charging with LCD display, dual USB output, adjustable parameters, and temperature compensation. Selectable battery types: SLA / GEL / FLD. Protections: overcharge, over-discharge, overload, short circuit, and reverse polarity. Product size 185×93×42mm (Ø5 mounting holes). Packaging: 40 pcs/carton, 15.5kg, 440×410×245mm, 0.04CBM.

PWM SOLAR CHARGE CONTROLLER 20A

PWM solar charge controller with auto 12V/24V system voltage and 20A rated charge current



RATED CHARGE CURRENT

20A

SYSTEM VOLTAGE

12V / 24V Auto

MAX PV VOLTAGE (VOC)

50V

CHARGE METHOD

PWM

DISPLAY

LCD + USB

USB OUTPUT

5V / 2A

OVERVIEW

A PWM solar charge controller with automatic 12V/24V system-voltage detection and 20A rated charge current, providing reliable and efficient charge management for small to medium off-grid solar systems. An LCD display enables convenient monitoring of charging status and battery conditions, while built-in protection functions help ensure stable operation and extended battery life.

KEY FEATURES

PWM Charge Control

Dependable energy management that automatically detects and operates with 12V and 24V off-grid systems.

Auto System Voltage

Automatically detects and operates with both 12V and 24V battery systems for easy installation and flexible operation.

Comprehensive Protection

Supports sealed lead-acid, gel, and flooded battery types with parameters adjustable to suit each chemistry.

LCD Display & USB Output

Clear screen displays real-time system status, paired with a convenient USB output for charging small devices.

Comprehensive Protection

Automatically adjusts charging performance based on ambient conditions to extend battery life.

Reliable Operation

Designed for stable and dependable performance in residential and small-scale solar energy applications.

TECHNICAL NOTE

Rated charge current 20A; system voltage 12V/24V (auto); maximum PV voltage 50V and maximum solar input voltage 55V. PWM charging with LCD display and 5V/2A USB output. Built-in battery over-voltage protection, reverse connection protection, and load over-current protection. Operating temperature range -20°C to +55°C. Product dimensions: 168 × 92 × 41.5 mm.

PWM SOLAR CHARGE CONTROLLER 30A

PWM solar charge controller with auto 12V/24V system voltage and 30A rated charge current



RATED CHARGE CURRENT

30A

SYSTEM VOLTAGE

12V / 24V Auto

MAX PV VOLTAGE (VOC)

50V

CHARGE METHOD

PWM

DISPLAY

LCD + USB

COOLING

SLA / GEL / FLD

OVERVIEW

A PWM solar charge controller with automatic 12V/24V system-voltage detection and 30A rated charge current, providing reliable, cost-effective charge management for small off-grid solar systems. Features an intuitive LCD display for real-time system monitoring and user-friendly operation. Multiple protection functions help safeguard batteries and connected loads, ensuring stable performance and extended battery life.

KEY FEATURES

PWM Charge Control

Efficient pulse-width-modulation charging delivers reliable, cost-effective battery management for off-grid solar systems.

Auto System Voltage

Automatically detects and operates at 12V or 24V battery systems for simple, flexible installation.

Selectable Battery Types

Supports sealed lead-acid, gel, and flooded battery types with parameters adjustable to suit each chemistry.

LCD Display & USB Output

A clear LCD shows charging status and state of charge, while dual USB ports power phones and small devices.

Comprehensive Protection

Built-in protections safeguard the system against overcharge, over-discharge, overload, short circuit, and reverse polarity.

Temperature Compensation

Automatic battery temperature compensation optimises charging voltage for longer battery life across varying conditions.

TECHNICAL NOTE

Rated charge current 30A; system voltage 12V/24V (auto); max PV open-circuit voltage <50V. PWM charging with LCD display, dual USB output, adjustable parameters, and temperature compensation. Selectable battery types: SLA / GEL / FLD. Protections: overcharge, over-discharge, overload, short circuit, and reverse polarity. Product size 185×93×42mm (Ø5 mounting holes). Packaging: 40 pcs/carton, 15.5kg, 440×410×245mm, 0.04CBM.

PWM SOLAR CHARGE CONTROLLER 40A

PWM solar charge controller with auto 12V/24V system voltage and 40A rated charge current



RATED CHARGE CURRENT

40A

SYSTEM VOLTAGE

12V / 24V Auto

MAX PV VOLTAGE (VOC)

50V

CHARGE METHOD

PWM

DISPLAY

LCD + USB

COOLING

SLA / GEL / FLD

OVERVIEW

A PWM solar charge controller with automatic 12V/24V system-voltage detection and 40A rated charge current, delivering dependable charge management for small to mid-size off-grid solar systems. Features an LCD display for convenient real-time monitoring of charging status and system performance. Multiple built-in protection functions help safeguard batteries and connected equipment, ensuring reliable operation, improved efficiency, and extended battery service life.

KEY FEATURES

PWM Charge Control

Efficient pulse-width-modulation charging delivers reliable, cost-effective battery management for off-grid solar systems.

Auto System Voltage

Automatically detects and operates at 12V or 24V battery systems for simple, flexible installation.

Selectable Battery Types

Supports sealed lead-acid, gel, and flooded battery types with parameters adjustable to suit each chemistry.

LCD Display & USB Output

A clear LCD shows charging status and state of charge, while dual USB ports power phones and small devices.

Comprehensive Protection

Built-in protections safeguard the system against overcharge, over-discharge, overload, short circuit, and reverse polarity.

Temperature Compensation

Automatic battery temperature compensation optimises charging voltage for longer battery life across varying conditions.

TECHNICAL NOTE

Rated charge current 40A; system voltage 12V/24V (auto); max PV open-circuit voltage <50V. PWM charging with LCD display, dual USB output, adjustable parameters, and temperature compensation. Selectable battery types: SLA / GEL / FLD. Protections: overcharge, over-discharge, overload, short circuit, and reverse polarity. Product size 185×93×42mm (Ø5 mounting holes). Packaging: 40 pcs/carton, 15.5kg, 440×410×245mm, 0.04CBM.

PWM SOLAR CHARGE CONTROLLER 50A

PWM solar charge controller with auto 12V/24V system voltage and 60A rated charge current



RATED CHARGE CURRENT

50A

SYSTEM VOLTAGE

12V / 24V Auto

MAX PV VOLTAGE (VOC)

50V

CHARGE METHOD

PWM

DISPLAY

LCD + USB

COOLING

SLA / GEL / FLD

OVERVIEW

A PWM solar charge controller with automatic 12V/24V system-voltage detection and 50A rated charge current, the highest-output model in the series for larger 12V and 24V off-grid solar installations. Designed for dependable battery charging and load management, it features an LCD display for real-time system monitoring and user-friendly operation. Multiple built-in protection functions ensure safe, stable performance while helping to maximize battery life and overall system reliability.

KEY FEATURES

PWM Charge Control

Efficient pulse-width-modulation charging delivers reliable, cost-effective battery management for off-grid solar systems.

Auto System Voltage

Automatically detects and operates at 12V or 24V battery systems for simple, flexible installation.

Selectable Battery Types

Supports sealed lead-acid, gel, and flooded battery types with parameters adjustable to suit each chemistry.

LCD Display & USB Output

A clear LCD shows charging status and state of charge, while dual USB ports power phones and small devices.

Comprehensive Protection

Built-in protections safeguard the system against overcharge, over-discharge, overload, short circuit, and reverse polarity.

Temperature Compensation

Automatic battery temperature compensation optimises charging voltage for longer battery life across varying conditions.

TECHNICAL NOTE

Rated charge current 50A; system voltage 12V/24V (auto); max PV open-circuit voltage <50V. PWM charging with LCD display, dual USB output, adjustable parameters, and temperature compensation. Selectable battery types: SLA / GEL / FLD. Protections: overcharge, over-discharge, overload, short circuit, and reverse polarity. Product size 187×125×56mm (Ø5 mounting holes). Packaging: 24 pcs/carton, 17.5kg, 420×400×265mm, 0.05CBM.

PWM SOLAR CHARGE CONTROLLER 60A

PWM solar charge controller with auto 12V/24V system voltage and 60A rated charge current



RATED CHARGE CURRENT

60A

SYSTEM VOLTAGE

12V / 24V Auto

MAX PV VOLTAGE (VOC)

50V

CHARGE METHOD

PWM

DISPLAY

LCD + USB

COOLING

SLA / GEL / FLD

OVERVIEW

A PWM solar charge controller with automatic 12V/24V system-voltage detection and 60A rated charge current, the highest-output model in the series for larger 12V and 24V off-grid solar installations. Designed for dependable battery charging and load management, it features an LCD display for real-time system monitoring and user-friendly operation. Multiple built-in protection functions ensure safe, stable performance while helping to maximize battery life and overall system reliability.

KEY FEATURES

PWM Charge Control

Efficient pulse-width-modulation charging delivers reliable, cost-effective battery management for off-grid solar systems.

Auto System Voltage

Automatically detects and operates at 12V or 24V battery systems for simple, flexible installation.

Selectable Battery Types

Supports sealed lead-acid, gel, and flooded battery types with parameters adjustable to suit each chemistry.

LCD Display & USB Output

A clear LCD shows charging status and state of charge, while dual USB ports power phones and small devices.

Comprehensive Protection

Built-in protections safeguard the system against overcharge, over-discharge, overload, short circuit, and reverse polarity.

Temperature Compensation

Automatic battery temperature compensation optimises charging voltage for longer battery life across varying conditions.

TECHNICAL NOTE

Rated charge current 60A; system voltage 12V/24V (auto); max PV open-circuit voltage <50V. PWM charging with LCD display, dual USB output, adjustable parameters, and temperature compensation. Selectable battery types: SLA / GEL / FLD. Protections: overcharge, over-discharge, overload, short circuit, and reverse polarity. Product size 187×125×56mm (Ø5 mounting holes). Packaging: 24 pcs/carton, 17.5kg, 420×400×265mm, 0.05CBM.



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