Euro-PWM 50A

EURONET PWM CHARGE CONTROLLER – 50A

PWM Solar Charge Controller | 12V / 24V Auto



RATED CHARGE CURRENT **50A**	SYSTEM VOLTAGE **12V / 24V Auto**
MAX PV VOLTAGE (VOC) **50V**	CHARGE METHOD **PWM**
DISPLAY **LCD + USB**	BATTERY TYPE **SLA / GEL / FLD**

OVERVIEW

The EURONET Euro-PWM 50A is a PWM solar charge controller for larger 12V and 24V off-grid solar installations. It detects 12V and 24V battery systems automatically, delivers up to 50A of charge current and accepts a solar input of up to 50V open-circuit voltage. Sealed lead-acid, gel and flooded batteries are selectable, with charging parameters adjustable to each type and automatic temperature compensation. An LCD shows charging status and state of charge, a dual USB output charges phones and small devices, and built-in protection guards against overcharge, over-discharge, overload, short circuit and reverse polarity.

KEY FEATURES

PWM Charge Control
Pulse-width-modulation charging for reliable, cost-effective battery management in off-grid systems

Auto 12V / 24V Detection
Automatically detects and operates with 12V or 24V battery systems for simple, flexible installation

Selectable Battery Types
Supports sealed lead-acid (SLA), gel and flooded batteries, with parameters adjustable to each type

LCD Display & Dual USB
Clear LCD shows charging status and state of charge; dual USB ports power phones and small devices

Comprehensive Protection
Built-in protection against overcharge, over-discharge, overload, short circuit and reverse polarity faults

Temperature Compensation
Automatically adjusts the charging voltage with temperature to help extend battery service life

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.

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Euro-PWM 50A

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	Euro-PWM 50A
Series	Euro-PWM Series
Charge Method	PWM
System Voltage	12V / 24V (auto detection)
Rated Charge Current	50A
PV INPUT	
Max. PV Voltage (Voc)	50V (<50V open-circuit)
CHARGING	
Battery Types	SLA / GEL / FLD (selectable)
Charging Parameters	Adjustable
Temperature Compensation	Yes
PROTECTION	
Overcharge	Yes
Over-discharge	Yes
Overload	Yes
Short Circuit	Yes
Reverse Polarity	Yes

PARAMETER	SPECIFICATIONS
DISPLAY & OUTPUTS	
Display	LCD: charging status, state of charge
USB Output	Dual
PHYSICAL & ENVIRONMENTAL	
Product Size	187 × 125 × 56 mm
Mounting Holes	Ø5
Net Weight	Not available
Operating Temperature	-20°C to +55°C
IP Rating	Not available
PACKAGING	
Units Per Carton	24 pcs
Carton Weight	17.5kg
Carton Size	420 × 400 × 265 mm
Carton Volume	0.05CBM
CERTIFICATION	
Conformity	CB · CE · IEC

**Specifications are subject to change without prior notice.*

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