Euro-PWM 20A

EURONET PWM CHARGE CONTROLLER – 20A

PWM Solar Charge Controller | 12V / 24V Auto



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

The EURONET Euro-PWM 20A is a PWM solar charge controller for small to medium off-grid solar systems. It detects 12V and 24V battery systems automatically, delivers up to 20A of charge current and works with PV arrays up to 50V, with a maximum solar input voltage of 55V. Sealed lead-acid, gel and flooded batteries are supported with adjustable parameters and -24mV/°C temperature compensation. An LCD shows system status, a 5V/2A USB output charges small devices, and battery over-voltage, reverse connection and load over-current protection keep the system safe from -20°C to +55°C.

KEY FEATURES

PWM Charge Control
Pulse-width-modulation charging with 14.4V boost and 13.8V float charge on 12V systems (×2 for 24V)

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

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

LCD Display & USB Output
Clear LCD shows real-time system status, with a 5V/2A USB output for charging phones and small devices

Built-In Protection
Battery over-voltage (16.5V), reverse connection and load over-current with automatic restart

Temperature Compensation
-24mV/°C compensation (12V system) adjusts the charge voltage with temperature to extend battery life

TECHNICAL NOTE

Rated charge current 20A; system voltage 12V/24V (auto); max. PV voltage 50V, max. solar input voltage 55V. PWM charging, 12V defaults (×2 for 24V): boost 14.4V, float 13.8V, LVD 11.0V, LVR 12.6V, over-voltage protection 16.5V; temperature compensation -24mV/°C. Self-consumption ≤12mA. LCD with 5V/2A USB output. Operating temperature -20°C to +55°C, IP32. 168 × 92 × 41.5mm.

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Euro-PWM 20A

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	Euro-PWM 20A
Series	Euro-PWM Series
Charge Method	PWM
System Voltage	12V / 24V (auto detection)
Rated Charge Current	20A
Self-consumption	≤12mA
PV INPUT	
Max. PV Voltage (Voc)	50V
Max. Solar Input Voltage	55V
CHARGING	
Battery Types	SLA / GEL / FLD
Charging Parameters	Adjustable
Temperature Compensation	-24mV/°C (12V system); ×2 for 24V
DEFAULT SETTINGS (12V SYSTEM; ×2 FOR 24V)	
Boost Charge	14.4V · 2h boost when battery is below 12V
Float Charge	13.8V (adjustable 13V–15V)
Low-voltage Disconnect (LVD)	11.0V (adjustable 9V–12V)
Low-voltage Reconnect (LVR)	12.6V (adjustable 11V–13.5V)
Battery Over-voltage Protection	16.5V

PARAMETER	SPECIFICATIONS
PROTECTION	
Battery Over-voltage	Yes (16.5V)
Reverse Connection	Yes
Load Over-current	Yes · automatic restart every 2 minutes
DISPLAY & OUTPUTS	
Display	LCD: real-time system status
USB Output	5V / 2A
PHYSICAL & ENVIRONMENTAL	
Product Size	168 × 92 × 41.5 mm
Wiring Terminals	28–10 AWG
Waterproof Grade	IP32
Operating Temperature	-20°C to +55°C
Net Weight	Not available
PACKAGING	
Carton Data	Not available
CERTIFICATION	
Conformity	CB · CE · IEC

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

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