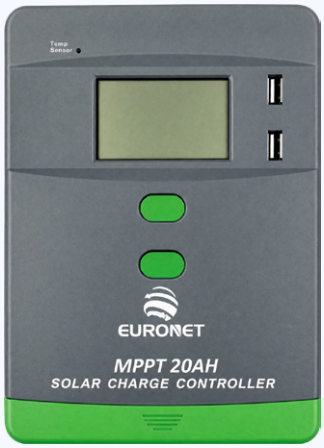
Euro-MPPT 20A

EURONET MPPT CHARGE CONTROLLER – 20A

MPPT Solar Charge Controller | 12/24V Auto



RATED CHARGE CURRENT **20A**	SYSTEM VOLTAGE **12/24V Auto**
MAX PV VOLTAGE (VOC) **<60V**	MAX INPUT POWER **260W / 520W**
RATED LOAD CURRENT **20A**	GROUNDING **Positive**

OVERVIEW

The EURONET Euro-MPPT 20A is a compact MPPT solar charge controller for small off-grid solar systems such as cabins, lighting and backup kits. It detects 12V or 24V battery banks automatically, delivers up to 20A of charge current and accepts up to 260W of PV on a 12V system or 520W on 24V, with PV open-circuit voltage below 60V. It supports sealed, flooded and GEL lead-acid as well as LiFePO4 and lithium NMC batteries, and adds a 20A load output with light control, temperature compensation and low-voltage load disconnect.

KEY FEATURES

MPPT Charging Up To 20A
Maximum power point tracking delivers up to 20A of charge current from the PV array into the battery

Auto 12V / 24V Detection
Detects 12V or 24V battery banks automatically; accepts up to 260W of PV at 12V and 520W at 24V

Lead-Acid And Lithium Ready
Settings for sealed, flooded, GEL, LiFePO4 and NMC batteries, plus a user-defined battery profile

Staged Charging
Absorption and equalisation run for 2 hours each, then float at 13.8V for lead-acid batteries (12V)

20A Load Output
Disconnects the load at 10.5V and reconnects it at 12.6V (12V system), with ≤0.2V loop voltage drop

Light Control & Compensation
Light-control voltage of 5/10/15/20V for dusk-to-dawn lighting; -4mV/°C/2V temperature compensation

TECHNICAL NOTE

Rated charge and discharge current 20A; system voltage 12V/24V auto; max. PV open-circuit voltage <60V (24V); max. input power 260W (12V) / 520W (24V). 12V settings: absorption 14.4V (GEL and flooded 14.6V), equalise 14.6V (flooded 14.8V, GEL none), float 13.8V, LVD 10.5V, LVR 12.6V, HVD 16V; ×2 for 24V. Operating -20°C to +55°C; IP20; positive grounded; 5mm mounting holes.

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Euro-MPPT 20A

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	Euro-MPPT 20A · EURO-MPPT 20 on source
Series	Euro-MPPT Series
Charge Method	MPPT
System Voltage	12V / 24V auto
Rated Charge Current	20A
Rated Discharge (Load) Current	20A
Static Loss	<50mA (24V)
PV INPUT	
Max. Input Power, 12V System	260W
Max. Input Power, 24V System	520W
Max. PV Open-circuit Voltage	<60V (24V)
BATTERY TYPES	
Lead-acid	User default, sealed, flooded, GEL
Lithium	LiFePO4 · Li(NiCoMn)O2
CHARGING (12V SYSTEM, 25°C)	
Equalisation	14.6V maintenance-free · 14.8V flooded GEL: no · 2 hours
Absorption	14.4V maintenance-free 14.6V GEL and flooded · 2 hours
Float	13.8V maintenance-free, GEL, flooded
Temperature Compensation	-4mV/°C/2V (25°C)
Other System Voltages	24V ×2 · 36V ×3 · 48V ×4

PARAMETER	SPECIFICATIONS
LOAD & PROTECTION (12V)	
Low-voltage Disconnect (LVD)	10.5V
Low-voltage Reconnect (LVR)	12.6V
High-voltage Disconnect (HVD)	16V (12V lead-acid battery)
Discharge Loop Voltage Drop	≤0.2V
Light Control Voltage	5V / 10V / 15V / 20V
PHYSICAL & ENVIRONMENTAL	
Operating Temperature	-20°C to +55°C
Storage Temperature	-30°C to +80°C
Humidity	Non-condensing
Protection Class	IP20
Grounding	Positive grounded
Mounting Holes	5mm
Temperature Sensor Port	Yes (Temp Sensor port on case)
Dimensions	Not available
Net Weight	Not available
PACKAGING & CERTIFICATION	
Packaging	Not available
Certification	Not available

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

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