



### **CONNECTED**

Equipped with Bluetooth, you can track your controller's activity via the for smartphone



### **AUTOMATIC**

Automatically detects 12/24V output voltage.



### **COMPATIBLE**

These 4 regulators are compatible with all battery types (Liquid, AGM, Gel and Lithium).



### **MPPT**

Equipped with the most advanced technology on the market.

Whether you want to equip your recreational vehicle with one or more solar panels, or you've already done so, a solar charge controller is necessary to complete your photovoltaic system. The **solar charge regulator**, also known as a solar charge controller, is a small electronic device that sits between your solar panel and your battery, and enables you to regulate the voltage of your solar panel to distribute it as evenly as possible to your battery. It comes in a range of power ratings to suit your installation.

The **EZA** brand offers you a complete range of solar charge controllers equipped with MPPT technology, the most efficient technology available today.

**MPPT** (Maximum Power Point Tracking) **technology** enables the solar panel to operate at its optimum voltage for maximum power output. This means that the voltage and current produced by the solar panel(s) change according to light levels throughout the day. On average, MPPT technology is 30% more efficient than conventional PWM technology.

This range comprises 4 solar charge controllers available in **10A, 15A, 20A and 40A with 6 output wires**.

These 4 regulators are all equipped with **Bluetooth**, enabling you to monitor and control the various data from your regulator (voltage, current, etc.) via the smartphone application designed specifically for this range of regulators: **My E-Solar**.

REFERENCE	480795	480819	480820	480799
System voltage	12V	12V / 24V (automatic recognition)		
Maximum load current	10A	15A	20A	40A
Boost voltage (liquids, Gel, AGM)	14,5V	14,5 / 29V		
Equal voltage (liquids, Gel, AGM)	14.8V	14.8 / 29.6V		
Voltage floatting (liquids, Gel, AGM)	13.7V	13.7 / 27.4V		
Low-voltage disconnection (liquids, Gel, AGM)	11.2V			
Low-voltage reconnection (liquids, gel, AGM)	12V	12V / 24V		
Overvoltage protection (liquid, gel, AGM)	15.5V	15.5V / 31V	15.8V / 31.3V	
Target charge voltage (Lithium)	14.4V			
Recovery of charge volts (Lithium)	14V			
Low-voltage disconnection (Lithium)	10.6V			
Low-voltage reconnection (Lithium)	11.4V			
Charge protection 0°C (Lithium)	Yes			
Reverse connection protection	Yes			
Maximum battery voltage	25V	35V		
Temperature compensation	-4.17mV/K per cell (Boost, Equal), -3.33mV/K per cell (Float)			
Battery type	AGM, Liquid, Gel, Lithium (default: AGM)			
Bluetooth	Yes			
Maximum solar voltage	45V	55V	55V	100V (-20°C), 90V (25°C)
Maximum input power	130W	200W / 400W	260W / 520W	520 / 1040W
Day/night threshold	5V / 10V			8V / 16V
Day/night delay	0 min			
MPPT tracking range	(Battery voltage + 1.0V) – Voc*0.9			
Output current	10A	15A	20A	30A
Self-discharge	6mA			≤12mA
Dimensions / Weight	85.8*81*23.1mm / 260g	85.8*145*30mm / 600g	95.8*145*42.5mm / 730g	196.5*136.6*67.1mm / 1,52KG
Ambient temperature	-35°C ~ +60°C			-20~+55°C
Wire size	2,5mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>	6AWG (16mm <sup>2</sup> )
Ambient humidity	0~100%RH			
Protection class	IP67			IP32

To access the digital version, scan this QR Code.



EZA FT REGUL SOLAR MPPT BT EN



**Need advice?**

Contact the EZA Hotline on **+33 (0)4 68 44 15 19**



All our products are  
**24-month warranty**



The website  
**www.eza.fr**