

Alvolta 10A 12V Waterproof PWM Solar Controller

ACP10W



Alvolta PWM Technology

A reliable Solar Controller is an essential component of an efficient solar-connected energy system. A Solar Controller is responsible for gathering energy from your solar panels and diverting it to your batteries for storage.

Alvolta PWM technology maximises the amount of solar energy delivered to your batteries and the time taken to do so, ensuring full charge is reached quickly and maintained consistently.

The Alvolta PWM Solar Controller range is equipped with tried and tested temperature management to deliver effective results and maintain efficient DC charge, no matter where your journey takes you.

The Alvolta 10A PWM Solar Controller has an IP68 rating, making it perfect for outdoor use to withstand water spray, rain, and condensation. Its robust industrial housing also ensures its suitability to all applications, including outdoor environments where corrosion, dust, and water ingress are prevalent.

Suitable for:



Properties	
Battery System	12V
Max System Current	10A
No-Load Loss	8mA
Max PV Input Voltage	<30Voc
Max PV Input Power	170W
Equalise Charge Voltage	14.6V
Boost Charge Voltage	14.4V
Float Charge Voltage	13.8V
Boost Charge Recovery Voltage	13.2V
Equalise Charge Duration	1 Hour
Boost Charge Duration	2 Hours
Operating Temperature	-35°C ~ +45°C
Terminal Capacity	10mm ²
Dimensions	82 x 43 x 18mm
Weight	0.5kg
Warranty	3 Years

Features & Benefits

- PWM 10A max charge current
- 12V battery system operation
- 30Voc max PV input voltage
- PWM 3-stage charge
- LED indication for charge status
- PV MC4 connector
- IP68 waterproof design
- Suitable for applications where corrosion, dust, and water ingress may be prevalent

3 YEAR
WARRANTY

