

Alvolta 40A 12/24V PWM Solar Controller

ACP40



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 40A PWM Solar Controller can handle up to 600W of solar power and up to 40A of array current. It protects the battery from overcharge and discharge and auto detects between 12 or 24V.

Monitoring the system is easy with the in-built backlit LCD display or Bluetooth connection.

Suitable for:



Properties

Battery System	12/24/36/48V
Standby Load	8mA/12V 12mA/24V
Max Solar Input Voltage	<55Voc
Solar Output	40A
Max Solar Input	600W/12V 1200W/24V
Light Control Voltage	5V*n
Light Control Delay	10s
Max Load Output	5V 1A
Operating Temperature	-35°C ~ +45°C
Terminal Capacity	25mm ²
IP Protection	IP32
Weight	1kg
Dimensions	159 x 110 x 59mm
Warranty	3 Years
Communication	Built-in Bluetooth

Features & Benefits

- PWM 40A max charge current
- 12/24V battery system operation
- 55Voc max PV input voltage
- Informative backlit LCD display - indicates solar charge input, charge/load output Voltage/Amps
- Selectable battery type: Sealed, Flooded, Gel, & Lithium
- High precision on voltage set point
- Temperature compensation
- Maintenance free protection of your solar panel and batteries
- Maintain 12/24V batteries in a fully charged state and maintains battery voltage
- Wall mountable

3 YEAR
WARRANTY

