

Solar regulator - LED

SOL-REG140

This LED solar regulator offers advanced MPP technology for over 90% efficiency when used with a 140Watt solar panel. It can also be used with solar panels sizes from 20Watt to 200Watts making it very flexible. Larger than the 140Watt solar panels can be used in areas where sunlight intensity is low increasing the capture of sunlight.

Features:

- LED display indicates and shows solar charge, battery condition and load indication
- Set to operate as a 12VDC system
- The regulator is equipped with various devices to protect its electronics
- Ideally suited for electric fencing that requires solar panels and batteries in remote areas



Specifications:

Power-handling capability 140W

Efficiency >90%

Maximum solar panel input voltage 24VDC

Solar panel input range 20W - 200W

Battery charge voltage Flooded, AGM, Gel Suitable lead acid battery types 14.3VDC

Recommended battery capacity (solar panel < 90W) minimum 40Ah

Recommended battery capacity (solar panel > 90W) minimum 90Ah

Maximum flat battery (11VDC) charge current 11A**

Maximum load supply current 10A**

Load disconnect voltage ~11.2VDC

Operating temperature -20 to 55°C

Terminal size 6mm /12AWG

Mounting hole size 5mm

-Where applicable, all specifications are quoted at a temperature of 25°C