



# 0 to 30A Solar Regulator

Automatic Voltage Detection (AVD)

The highly reliable low cost ExSOLAR regulator protects deep cycle batteries from over charging and excessive discharging.

The regulator accepts a range of current between 0 to 30Amps. The regulator is equipped with AVD-technology and automatically detects the voltage of the battery bank (12/24/36 or 48V).

The regulator performs this selection every time the regulator is connected to a battery bank. This means it is possible to re-use the regulator again in other systems with different voltages.

## STATE-OF-CHARGE WITH LED INDICATION

Red - flashing fast	Battery voltage low/ Load disconnected
Orange - flashing slow	Load and panel connected to the battery
Green - flashing fast	Battery full / Panel is disconnected from the battery

## TECHNICAL SPECIFICATIONS

	12V	24V	36V	48V
System Voltage (Voc)	12V	24V	36V	48V
Solar module current (Isc)	30A	30A	30A	30A
Max Load Current	30A	30A	30A	30A
End of charge Voltage	14.7V	29.4V	44.1V	58.8
Reconnection Voltage	12.3V	24.6V	36.9V	49.2
Load Disconnect Voltage	11.2V	22.4V	33.6V	44.8
Load Reconnect Voltage	13.2V	26.4V	39.6V	52.8

## GENERAL INFORMATION

Weight	160g
Dimensions (W x H x D)	88 x 75 x 29mm
Max. self consumption	< 0.5W
Ambient temperature range	-20 to +60 degree C
Max. conductor size for terminals	22..14 AWG
Enclosure protection	IP 22
Mounting bracket screw size	4mm
Warranty	3 years

## 36V AND 48V SYSTEMS

Battery Voltage	Initial battery voltage
36V	Needs to be <i>below</i> 44.4V
48V	Needs to be <i>above</i> 44.4V

## CONTACT US

The Exporter, Unit4, Nobel Park, The Interchange  
Somerset West, South Africa, 7130  
Tel: +27 21 851 1700  
Fax: +27 21 851 1699  
www.radioexport.com

