ZRW SOLAR REGULATORS

- The ZRW-TESS SOLAR regulator or charge controller protects batteries from over charging and draining- Manufactured in South Africa for African conditions of extreme heat, wear & tear and high reliability
- The regulator is equipped with a switch which connects the solar panels to the battery when not fully charged.
- The regulator also has a switch on board which can disconnect a load preventing the battery from discharging any further.
- Typically 12V Rated regulators operates as follows:
  - Panel gets disconnected at: 14.7V
  - Panel gets connected again at: 12.3V
  - Load gets disconnected at: 11.2V
  - Load gets connected again at: 13.2V to prevent damage to the switches in case weak batteries are connected to the regulator,
- A switch delay is activated after a switch has changed position. This prevents the switch for about 20 seconds to change position again.
- LED indication: A RED coloured LED indicates the status of the regulator:
  a) RED battery empty: The battery voltage is low. The load is disconnected.
  b) RED charging indicator: Both the load and the panel is connected to the battery.
  c) RED: The battery is full. The panel is disconnected from the battery.

- The correct Regulator must be selected for the specific application.
- The regulator size is selected dependant on the size of the battery that requires charging and the resulting solar panel that is used to charge the battery.
- Regulators are specified in terms of their voltage as well as the current capacity for charge throughput eg. 12V/30A
- ZRW controllers Available:

Model	Rated Voltage	Rated Peak Current	Special Features
SR15	12V & 24V	15A	Standard
SR30	12V & 24V	30A	Standard
SR30L	12V & 24V	30A	With 4x12V light switches
SR45M	12V & 24V	45A	With LCD display
SR60M	12V & 24V	60A	With LCD display

ZRW
World Leaders in Solar Technology

Other Products in the ZRW Range


Solar Panels


Inverters


Solar Streetlights


Solar Batteries


Solar Pumps


Accessories


Solar Controllers


LED lights

www.zrwmechanika.co.za | HELPLINE: +27 82 415 8548 | enquiries@zrwmechanika.co.za