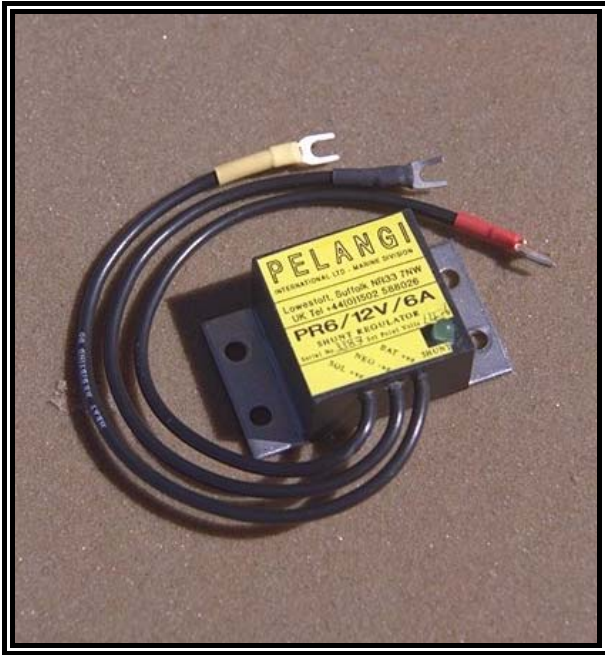


# PELANGI

## Solar Regulator

## PR6 and PR8

PR6 is a self-contained encapsulated low power consuming shunt regulator for easy fitting to solar panels junction boxes without the need for any additional enclosures.



Length	: 64mm
Breadth	: 42mm
Height over LED	: 26mm
Weight	: 94grams

Fixing 4 x4.5dia holes on 53x 22 centres.



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PR6 is potted in Clear Silicon inside the back of the solar panel junction box suitable for the marine environment.

- PR6 provides the field technician with steady green LED indication when panel is shunting (battery full).
- PR6 fits inside junction box of Solar panels from 20 to 80 watts.
- Green LED flashes when panel is charging battery to provide field technician with confirmation of system status.
- Standard shunt voltage set to 14.6 @ 20 degrees Centigrade with re-connection at 13.5 volts. Other settings possible to order.
- All tails provided with identification and crimp connectors fitted.
- Once fitted in the junction box, solar panel tails may be directly connected to battery without the need for any other protection or interconnection.
- PR6 is ideal for single panel beacon or pile applications where interconnection access is limited or denied to unauthorised personnel.
- Where buoy applications requiring 2 solar panels or more the PR8 or PR12 regulators are recommended (see over and following).
- Where LCD indication of system status is required the PR30 is recommended.
- PR6 is fitted as standard to our range of self contained Stainless Steel **PS20/100** and upwards to create an efficient well engineered package for site with difficult access while still providing max. information to the field technician.

# PELANGI

## Solar Regulator

## PR6 and PR8

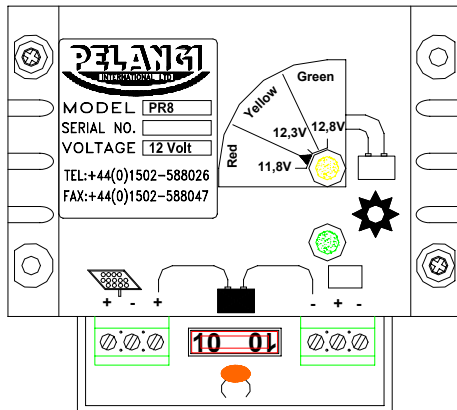
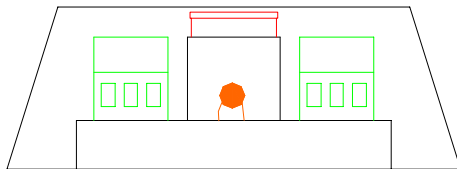
Panel mounting Pulse Width Regulator with built-in indicators and terminal block.



**PR8** Shown here in weatherproof enclosure

### PR8

Max. handling current:	8 amps
Length:	98 mm
Breadth:	68 mm
Thickness:	34 mm
Fixing centres:	88 x 45 mm
Weight:	100 Grams



PR8 fits neatly inside its own weatherproof enclosure or can be combined with Station monitoring cubicle.

- Self contained Pulse Width regulator with built in 10 amp fuse load protection which is easily exchanged or removed for maintenance checks.
- Built in Green LED lights to provide easy indication that solar energy is present. Light flashes to indicate **PR8** is charging.
- Built in Multicolour LED indicates state of charge by colour without need of additional meters.
- When fitted inside clear covered enclosure state of system can be monitored visually with out opening system to the marine environment.
- Optional Standard PR8 (only) **IP67** enclosure measures 125 x 175 x 75 mm deep with 4mm fixing hole centres of 110 x 160mm. (as shown opposite)
- Option for automatic disconnection of Load when battery reaches a constant 11.1 volts to protect battery from severe damage by deep discharge.
- Option for automatic reconnection of Load when solar panel restores battery above 12.6 volts.
- **PR8** designed to operate between -25 degree and + 50 degrees centigrade makes the unit very versatile in different environmental conditions.
- Automatic temperature compensation of 3 milli volts / K/cell provides best charge voltage for the battery.
- Can be used on nominal 12 or 24 volt system without need for separate unit. When used on 24 volt system voltage indications should be doubled.