

Lead-acid and NC batteries should not be connected to a solar generator without limitation of the charging current or to any other type of generator without a battery charge controller unit. With the help of PSR4 all lead-acid and NC batteries will be optimally charged with the corresponding current or voltage. When the charging voltage limit is reached (approx. 13,9 V), The PSR4 will automatically switch off preventing the batteries from overcharging. When the battery voltage is less than 13 V, the controller will switch back again.

Two LED diodes indicate the operation mode:

Red LED: sufficient charging voltage supplied by the generator, the batteries are being charged.

Green LED: batteries are fully charged, charging voltage limit is reached, sufficient charging voltage.

The lack of any LED indication means that the generator does not supply sufficient charging voltage or its value is below the battery voltage (fully charged battery).

The PSR4 was especially designed as low-power charger unit which means that the module consumes only 0,6 mA. The pre-set voltage values are suited to lead-acid batteries and should not be changed. When higher over-voltage limit is necessary, it can be adjusted with the trimmer potentiometer within the range of approx. 2 V. For connecting the batteries and generator, a 1,5 mm² cable should be used.

Technical specifications	
Operating voltage	12...14VDC (from batteries)
Power	max. 50 W
Over-voltage limit	approx. 13,9 V
Typical consumption	0,6 mA
Dimensions	68 × 57 × 28 mm

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