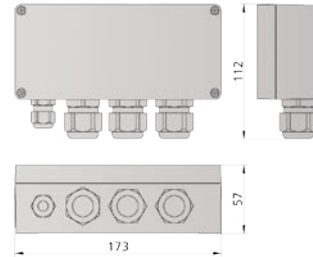




## Solar Charge Controller

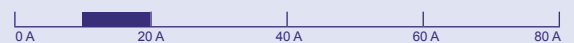


## SLR – Series

SLR 1010 (LCD), SLR 2020 (LCD)

Power class

10 A - 20 A



This charge controller is based on PR controllers in a IP 65 splash water proof enclosure. The SLR controller operates in harsh environments like salt, moisture and dust. The 10 Amp version comes with a plastic IP 65 enclosure, the 20 Amp version in an aluminium body.

### Features

- PWM shunt battery charging
- state of charge (SOC) battery regulation
- boost charging
- equalising charging
- float charging
- automatic load reconnection
- automatic selection of voltage 12 V / 24 V
- temperature compensation
- positive grounding
- (or) negative grounding on one terminal
- field adjustable parameters by jumpers

### Electronic Protections

- high voltage disconnect (HVD)
- low voltage disconnect (LVD)
- dept of discharge disconnection (DOD)
- reverse polarity of solar modules
- reverse polarity of load & battery
- electronic fuse
- short circuit of solar modules
- short circuit of load
- over temperature
- over voltage
- lightning protection by varistor
- low electronic interference (EMC)
- open circuit battery
- reverse current at night

### Displays

- two LEDs
- 1 PV system LED
- 2 state of charge LED
- optional LCD showing SOC, Vbat, all currents, alarms



SH-No.:	110120	110122
Solar Charge Controller <i>without</i> LCD	SLR 1010	SLR 2020
SH-No.:	110121	110123
Solar Charge Controller <i>with</i> LCD	SLR 1010 LCD	SLR 2020 LCD
system voltage	12 / 24 V	
max. module input current	10 A	20 A
max. load output current	10 A	20 A
max. self consumption	7 mA	
end of charge voltage (float)	13.7 V (27.4 V)	
boost charge voltage	14.4 V (28.8 V)	
equalisation charge	14.7 V (29.4 V)	
reconnection setpoint (SOC/LVR)	> 50% SOC / 12.6 V (25.2 V)	
deep discharge protection (LVD)	< 30% SOC / 11.1 V (22.2 V)	
ambient temperature allowed	-25°C...+50°C	
terminal size (fine / single wire)	4 / 6 mm <sup>2</sup>	10 / 16 mm <sup>2</sup>
enclosure protection class	IP 65	
weight	400 g	620 g
dimensions l x w x h (mm)	163 x 57 x 112	175 x 57 x 115

Technical data at 25°C / 77°F