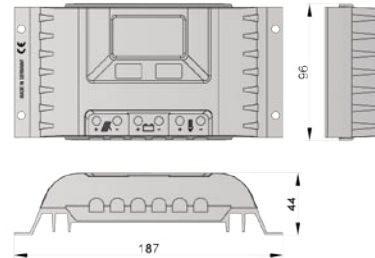


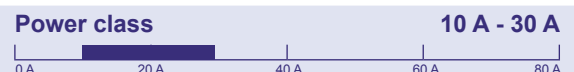


Solar Charge Controller



PR – Series

PR 1010, PR 1515, PR 2020, PR 3030



The PR charge controllers were launched in the year 2004 as the fifth generation of charge controller technology (up to 900 Wp). This high class state of the art product upgrades the Steca Solarix series by a customer designed LCD which shows the accurate state of charge (SOC) in percent and as battery gauge symbol. The heart of the controller is the integrated circuit called ATONIC®II, which contains the improved regulation software based on a self learning algorithm.

Features

- PWM shunt battery charging
- state of charge (SOC) battery regulation
- built in Ah counter
- boost charging
- equalising charging
- float charging
- automatic load reconnection
- manual load switch
- automatic selection of voltage 12 V / 24 V
- temperature compensation
- positive grounding
- (or) negative grounding on one terminal
- field adjustable parameters by two buttons
- field adjustable options during nighttime



SH-No.:	110111	110112	110113	110114
Solar Charge Controller	PR 1010	PR 1515	PR 2020	PR 3030
system voltage	12 / 24 V			
max. module input current	10 A	15 A	20 A	30 A
max. load output current	10 A	15 A	20 A	30 A
max. self consumption	12 mA			
end of charge voltage (float)	liquid 13.9 V (27.8 V) gel 14.1 V (28.2 V)			
boost charge voltage	14.4 V (28.8 V) 2:00			
equalisation charge	14.7 V (29.4 V) 2:00			
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	-10°C...+50°C			
terminal size (fine / single wire)	16 mm ² / 25 mm ²			
enclosure protection class	IP 22			
weight	350 g			
dimensions l x w x h	187 x 96 x 44 mm			

Technical data at 25°C / 77°F

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

- LCD in symbols and digits showing SOC, Vbat, all currents, Ah, alarms and more