

PR

PR 1010, PR 1515, PR 2020, PR 3030



Regulador Solar Steca PR

The Steca PR 10-30 series of charge controllers is the highlight in the range.

The latest charging technologies, combined with a Steca-AtonIC state of charge determination which has been significantly improved once again, result in optimal battery maintenance and control of the module output of up to 900 Wp which can be connected to it. A large display informs the user about all operating modes with the aid of symbols. The state of charge is represented visually in the form of a tank display. Data such as voltage, current and state of charge can also be displayed digitally as figures on the display. In addition, the controller has an energy meter which can be reset by the user.

Product features

- Hybrid controller
- State of charge determination with Steca AtonIC (SOC)
- Automatic detection of voltage
- PWM control
- Multistage charging technology
- Load disconnection depending on SOC
- Automatic load reconnection
- Temperature compensation
- Common positive or negative grounding on one terminal
- Integrated data logger
- Night light and morning light function
- Integrated self test
- Monthly maintenance charge

Electronic protection functions

- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of module, load and battery
- Automatic electronic fuse
- Short circuit protection of load and module

- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Overtemperature and overload protection
- Battery overvoltage shutdown

Displays

- Graphical LCD display
 - for operating parameters, fault messages, self test

Operation

- Simple menu-driven operation
- Programming by buttons
- Manual load switch

Options

- Prepayment interface
- External temperature sensor
- Alarm contact

Certificates

- Approved by the World Bank for Nepal
- Compliant with European Standards (CE)
- RoHS compliant
- Made in Germany
- Developed in Germany
- Manufactured according to ISO 9001 and ISO 14001

SPECIFICATIONS

PR1010 PR1515 PR2020 PR3030

Performance

System voltage	12/24 V
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Own consumption	12,5 mA
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DC input side

Maximum open circuit voltage	< 47 Vcc
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Module current	10 Amp	15 Amp	20 Amp	30 Amp
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DC output side

Load current	10 Amp	15 Amp	20 Amp	30 Amp
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End of charge voltage	Liquid 13,9 / 27,8 Vcc - Gel 14,1 / 29,2 Vcc
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Boost charge voltage	14,4 / 28,8 Vcc
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Equalisation charge	14,7 / 28,8 Vcc
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Reconnection voltage (SOC / LVR)	> 50% / 12,4 - 12,7 Vcc / 22,4 - 25,4 Vcc
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Deep discharge protection (SOC / LVD)	< 30% / 11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc
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Operating conditions

Ambient temperature	-10 °C a + 50 °C
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Fitting and construction

Terminal (fine/single wire)	16 mm ² / 25 mm ²
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Degree of protection	IP 32
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Dimensions	187 x 96 x 45 mm
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Weight	350 gr.
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Technical data at 25 °C

DOWNLOADS

CATÁLOGO GENERAL BORNAY 14-15

 [Catalogo-Bornay-1415.pdf](#) (10.41 MiB)
Size: 10.41 MiB
