



Solarix PRS Solar Charge Controllers

FEATURES

- Series controller*
- Automatic detection of voltage*
- Voltage and current regulation*
- PWM control*
- Multistage charging technology*
- Current compensated load disconnection*
- Automatic load reconnection*
- Temperature compensation*
- Common positive grounding or negative grounding on one terminal*
- Integrated self test*
- Made in Germany*



APPLICATIONS

- Solar home systems*
- Recreation vehicles*

10 / 15 / 20 / 30 Amps

TECHNICAL SPECIFICATIONS

Model	PRS 1010	PRS 1515	PRS 2020	PRS 3030
Characterisation of the Operating Performance				
System Voltage	12 V (24 V)			
Own Consumption	< 4 mA			
DC Input Side				
Open Circuit Voltage Solar Module	< 47 V			
Module Current	10 A	15 A	20 A	30 A
DC Output Side				
Battery Voltage	9.0 V ... 17.0 V (17.1 V ... 34.0 V)			
Load Current	10 A	15 A	20 A	30 A
End of Charge Voltage	13.9 V (27.8 V)			
Boost Charge Voltage	14.4 V (28.8 V)			
Equalisation Charge	14.7 V (29.4 V)			
Reconnection Voltage (SOC / LVR)	> 50 % / 12.4 V ... 12.7 V (24.8 V ... 25.4 V)			
Deep Discharge Protection (SOC / LVD)	< 30 % / 11.2 V ... 11.6 V (22.4 V ... 23.2 V)			
Operating Conditions				
Ambient Temperature	-25 °C ... +50 °C			
Fitting and Construction				
Terminal Size (Fine / Single Wire)	16 mm ² / 25 mm ² - AWG 6 / 4			
Degree of Protection	IP 32			
Dimensions (L x W x H)	187 x 96 x 45 mm / 7.4" x 3.8" x 1.8"			
Weight	0.345 kg / 0.76 lbs			

Technical data at 25 °C / 77 °F

Technical Specifications subject to change without notification.