

# SAMLEX POWER PRODUCTS



## Solarix PRS Solar Charge Controllers



### FEATURES

- Low-loss serial controller*
- PWM-controlled constant-voltage charging*
- Battery charging with automatic charging mode selection (float, boost, equal)*
- Recognises and carries out a maintenance charge (boost charge every 30 days if idle)*
- Automatically adjusts to the voltage level 12 V/24 V*
- Current-dependent load deactivation*
- Automatic load reactivation*
- Temperature compensation*
- Grounding on the plus side*
- Integrated self test (start voltage 17.0 V)*
- Made in Germany (development and production)*

### APPLICATIONS

- Solar home systems*
- Recreation vehicles*

**10 / 15 / 20 / 30 Amps**

### TECHNICAL SPECIFICATIONS

Model	PRS 1010	PRS 1515	PRS 2020	PRS 3030
System Voltage	12 V (24 V)	12 V (24 V)	12 V (24 V)	12 V (24 V)
Battery Input Voltage	9.0 V - 17.0 V (17.1 V - 34.0 V)			
Max Module Input Short Circuit Current	10 A	15 A	20 A	30 A
Max Load Output Current	10 A	15 A	20 A	30 A
Max Self Consumption	< 4 mA	< 4 mA	< 4 mA	< 4 mA
End of Charge Voltage (Float)	13.9 V (27.8 V)			
Boost Charge Voltage, 1 h	14.4 V (28.8 V)			
Equalisation Charge (Deactivated for Gel Accu), 1 h	14.7 V (29.4 V)			
Reconnection Setpoint (SOC/LVR)	> 50 % / 12.4 V ~ 12.7 V (24.8 V ~ 25.4 V)			
Deep Discharge Warning	< 40 % / 11.7 V ~ 12.3 V (23.4 V ~ 24.6 V)			
Deep Discharge Protection (SOC/LVD)	< 30 % / 11.2 V ~ 11.6 V (22.1 V ~ 23.2 V)			
Ambient Temperature Allowed	-25 °C ... +50 °C			
Terminal Size (Fine / Single Wire)	16 mm <sup>2</sup> /25 mm <sup>2</sup>			
Enclosure Protection Class	IP 34	IP 34	IP 34	IP 34
Dimensions ( L x W x H )	187 x 96 x 45.3 mm			
Weight	0.35 kg	0.35 kg	0.35 kg	0.35 kg

Technical Specifications subject to change without notification.