



**samlexsolar**  
A Division of Samlex America Inc.

# 10-30A



## Charge Controllers Solarix PRS Series

Model
PRS-1010
10 Amps
PRS-1515
15 Amps
PRS-2020
20 Amps
PRS-3030
30 Amps

### Design 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

### Applications

- Solar home systems
- Recreation vehicles

## 2 YEAR WARRANTY

MODEL NO.	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)	13.9 V (27.8 V)	13.9 V (27.8 V)	13.9 V (27.8 V)
BOOST CHARGE VOLTAGE, 1 H	14.4 V (28.8 V)	14.4 V (28.8 V)	14.4 V (28.8 V)	14.4 V (28.8 V)
EQUALISATION CHARGE (DEACTIVATED FOR GEL ACCU), 1 H	14.7 V (29.4 V)	14.7 V (29.4 V)	14.7 V (29.4 V)	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, MM (L x W x H)	187 x 96 x 45.3	187 x 96 x 45.3	187 x 96 x 45.3	187 x 96 x 45.3
DIMENSIONS, INCHES (L x W x H)	7.36 x 3.78 x 1.78	7.36 x 3.78 x 1.78	7.36 x 3.78 x 1.78	7.36 x 3.78 x 1.78
WEIGHT, KG	0.35	0.35	0.35	0.35
WEIGHT, LB	0.77	0.77	0.77	0.77

NOTE: Specifications are subject to change without notice