

PSX solar charge controllers



As a result of a late development, the PSX solar chargers appeared among our existing solar charge controllers with high expectations. The range currently consists of two models, the PSX182 (6A) and the PSX199 (8A), both regulators are made using highly reliable SMD components.

An automatic pv-system voltage detection function was also included in the controller (beside the temperature-compensated charging and gas-regulation functions), which reduces the risk of damage during incorrect installation.

The units are built in a nicely designed plastic case which makes them more appealing and up-to-date.

Specifications

Models	PSX182	PSX199
Nominal voltage	12 / 24 V (automatic)	12 / 24 V (automatic)
Charging current (solar cells)	6 A	8 A
Max. load	6 A	8 A
Max. power consumption	2-5 mA	2-5 mA
Temperature sensor	In-built	In-built
Final charging voltage limit		
Normal	13,7 V / 27,4 V	13,7 V / 27,4 V
Gas-control deactivated	14,1 V / 28,2 V	14,1 V / 28,2 V
Temp. compensation	-4mA/K/Cell	-4mA/K/Cell
Deep discharge protection		
Load disconnection	11,1 V / 22,2 V	11,1 V / 22,2 V
Load reconnection	12,6 V / 25,2 V	12,6 V / 25,2 V
Gas regulation		
Gas-control activation voltage	12,4 V / 24,8 V	12,4 V / 24,8 V
Final - gas-control voltage limit	14,5 V / 29 V	14,5 V / 29 V
Temperature compensation	-3 mA/K/Cell	-3 mA/K/Cell
Built-in fuse		
	6,3A	10A
Indication for "battery full", "battery charging" and "overload"		
	3 LEDs	3 LEDs
Temperature range		
	-25°C - +50°C	-25°C - +50°C
Dimensions (L × W × H)		
	98 x 88 x 35 mm	98 x 88 x 35 mm
Weight approx.		
	120 g	120 g
EMC Directive (89/336/EEC)		
	EN50081-1:01.92; EN50082-1:01.92	

Subject to alteration without notice