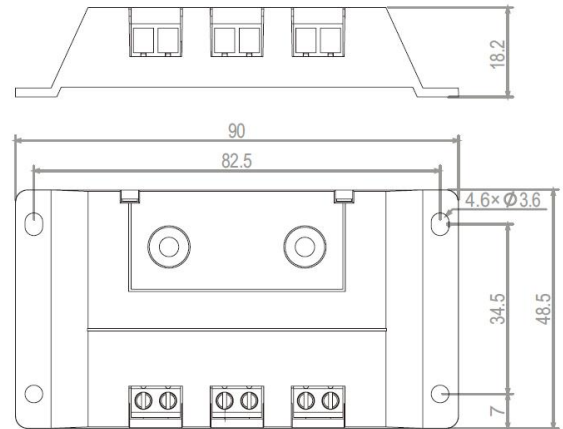


Shine series

Solar charge controller



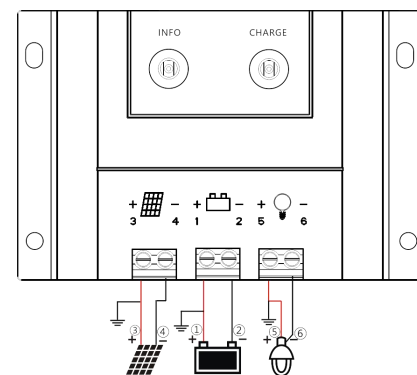
Shine05/Li



Overview

Shine series solar controller is specifically designed to meet the needs of solar home systems. It provides the best cost-effective. It comes with a number of outstanding features, such as:

- Low cost and high reliability design
- 12V system voltage
- Clear readable display of charge/discharge and error description
- Temperature compensation
- Four stage charge way: fast, boost, equalization, float
- Full automatic electronic protect function



Technical Data

	Item	Shine05
Battery Parameters	System Voltage	12V
	Max Charging Current	5A
	Fast Voltage	<14.5V @25°C
	Boost Voltage	14.5V @25°C
	Equal Voltage	14.8V @25°C (Liquid)
	Float Voltage	13.7V @25°C
	Temp. Compensation	-4.17mV/K per cell (Boost, Equal), -3.33mV/K per cell (Float)
	Over Voltage Protection	15.5V
	Battery Type	GEL
	Low Voltage Disconnect	11V
	Low Voltage Reconnect	12.5V
	Max Battery Voltage	20V
Panel Parameters	Max Solar Voltage	25V
	Day/Night Threshold	8.0V
Load Parameters	Output Current	5A
	Usb Interface	---
	Work Modes	Standard
System Parameters	Dimensions (mm)	90*48.5*18.2
	Weight (g)	36g
	Wire Size	1.5mm ²
	Self Consumption	< 10mA
	Ambient Temperature	-35~+60°C
	Degree Of Protection	IP22

	Item	Shine05 Li
Battery Parameters	System Voltage	12V
	Max Charging Current	5A
	Over Charge voltage	12.5V
	Over Charge release voltage	12.2V
	Load disconnect voltage	9.1V
	Load reconnect voltage	10.0V
	Battery Type	Lithium
	Max Battery Voltage	20V
	Over voltage protection	15.5V
Panel Parameters	Max Solar Voltage	25V
	Day/Night Threshold	8.0V
Load Parameters	Output Current	5mA
System Parameters	Dimensions (mm)	90*48.5*18.2mm
	Weight (g)	36g
	Self Consumption	< 10mA
	Ambient Temperature	-40 ~ +60 °C
	Degree Of Protection	IP22