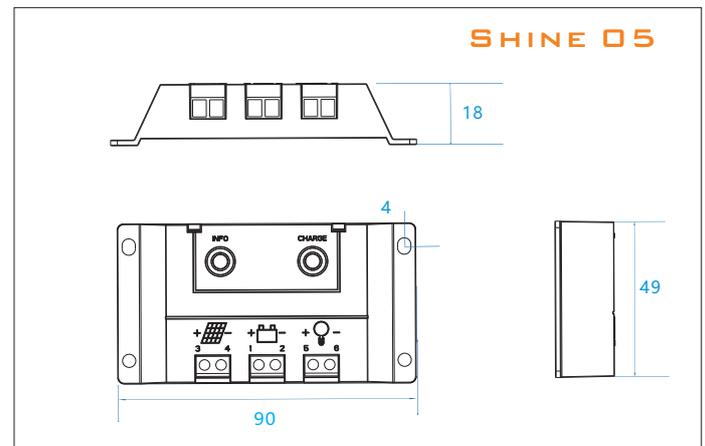
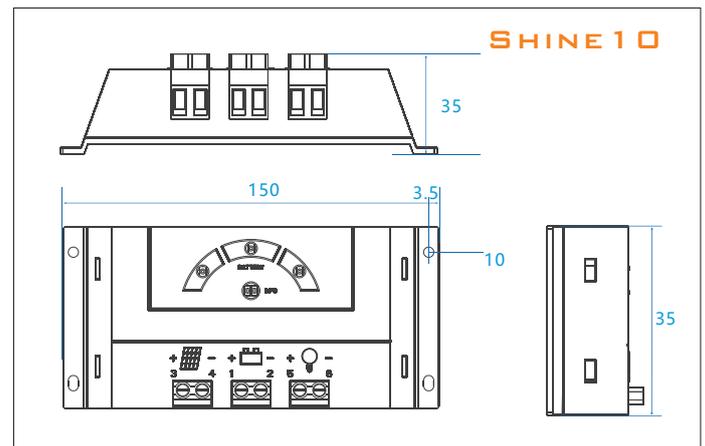
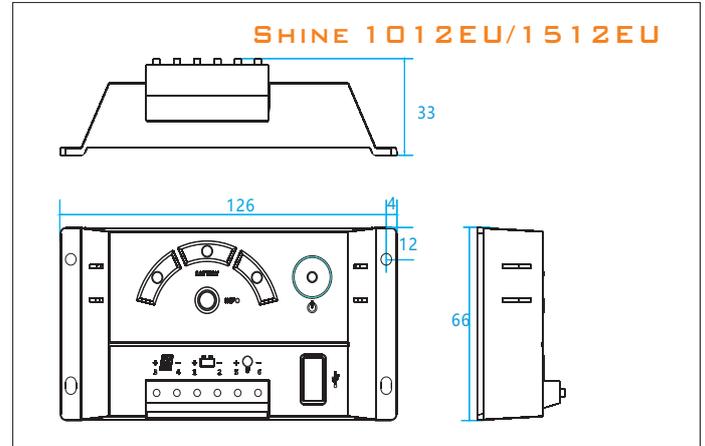


Shine series

Solar charge controller

5/10/15A



Shine series

Solar charge controller

5/10/15A

Datasheet

Item	Shine1012EU	Shine1512EU	Shine05	Shine10
System Voltage	12V			12/24V
Max Solar Current or Load Current	10A	15A	5A	10A
Fast Voltage	<14.5V @25°C			<14.5/29V @25°C
Boost Voltage	14.5V @25°C			14.5/29V @25°C
Equal Voltage	14.8V @25°C (Liquid)			14.8/29.6V @25°C
Float Voltage	13.7V @25°C			13.7/27.4V @25°C
Day/Night Threshold	5V			5/10V
Battery Type	Liquid, Gel		Liquid	Liquid, Gel
Temperature Compensation	4.17mV/K per cell (Boost, Equal), -3.33mV/K per cell (Float)			
Load Disconnect Voltage	11V			11/22V
Load Reconnect Voltage	12.5V			12.5V/25V
Max Solar Voltage	25V			55V
Max Battery Voltage	20V			40V
Over Voltage Protection	15.5V			15.5/31V
Dimensions	126*66*33mm		90*49*18mm	150*72*35mm
Weight	110g		36g	130g
Wire Size	2.5mm ²		1.5mm ²	4mm ²
Self Consumption	5mA			4mA
Ambient Temperature	-35~+60°C			
Degree Of Protection	IP22			
USB Interface	5V, 1A		--	

- Low cost and high reliability design, suitable for 12V system voltage
- Turn on or turn off load by switch
- Work mode optional: system, D2D
- Clear readable display of charge/discharge and error description
- Temperature compensation
- Gel, Liquid battery for selection
- Four stage charge way: fast, boost, equalization, float
- Full automatic electronic protect function
- USB interface (Shine1012/1512EU)
- For charging lithium battery, can be programmable in the factory before shipping