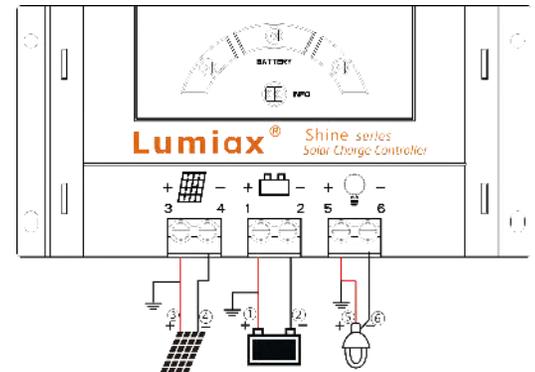


# Shine0512-EU

Solar charge controller



## 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, 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
- For charging lithium battery, can be programmable in the factory before shipping

## Technical Data

Model	Shine0512-EU
System voltage	12V
Max solar or load current	5A
Fast voltage	14.0V (25°C)
Boost voltage	14.5V (25°C)
Equalization voltage	14.8V (25°C) (Liquid)
Float voltage	13.7V (25°C)
Load disconnect voltage	11.0V
Load reconnect voltage	12.5V
Over voltage protection	15.5V
Work mode	System, D2D(Dusk to Dawn)
Battery type	Liquid(default)/Gel
Temperature compensation	-4.17mV/K per cell (boost, equalization), -3.33mV/K per cell (float)
Max voltage at solar terminals	25V
Max voltage at battery terminals	20V
Dimensions/Weight	126*66*33mm / 110g
Max. wire size	4mm <sup>2</sup>
Self consumption	6mA
Ambient temperature	-35°C ~ +60 °C
Protection level	IP22
USB interface	5V, 2A