Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

## Contact us

Solar Charger SKU:DFR0264

Contents

Introduction

This solar charger is designed for single lithium battery (3.7V) for intelligent charging, with input reverse polarity protection. The maximum charging current is 500 milliamperes and the connection is simple and convenient. Used with the solar battery and lithium battery, you can quickly build a solar power system.

Specification

- Input Voltage: 4.4~6V
- Charging Current: 500mA Max (Depending on the solar battery supply capability)
- Charging Cutoff Voltage: 4.2V
- Operating Temperature:-40~85℃
- Module Size: 33mm*33mm*12mm
- Requisite battery: 3.7V lithium battery (Please note the maximum permissible charging current of the lithium battery)
- Charging Indicator: Charging:Red LED Done:Green LED No Battery:Red LED Flashing

Diagram
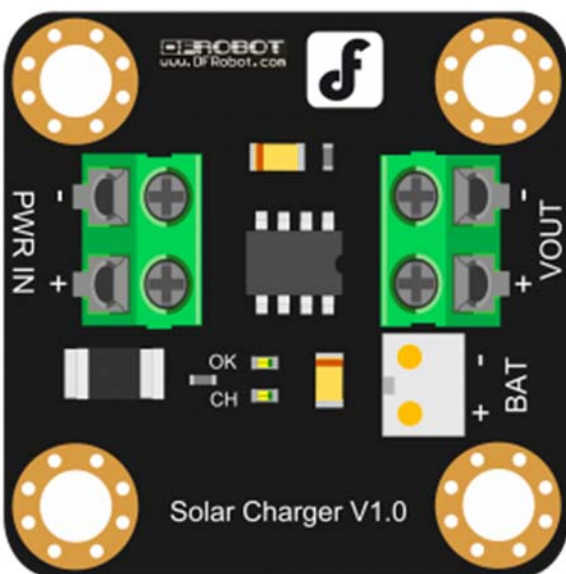
Port Description:

- PWR IN:4.4~6V power input terminal. You should connect it to a solar battery. The maximum output voltage of the solar battery should be in the range of 4.4V to 6V.
- BAT: Connect a 3.7V lithium battery, for storing electricity.
- VOUT: Lithium-ion battery output. Connect your electrical equipment to it.
- Charging Indicator: When there are no battery, the green LED is ON and the red LED is flashing. When charging, only the red LED is ON. After the charging is completed, only the green LED is ON.

FAQ

Q. Can I charge my lipo with a battery, and charge an arduino at the same time?

> **A.** Not recommanded! For the Solar cannot produce a steady current generally. If you supply the not steady power to an Arduino card, it may cause unexpected result or get the bootloader lost.

Application

Material:

- Solar Panel (5v 260mA)
- [Solar Charger]
- 3.7V Polymer Lithium Ion Battery - 1000mAh