

INDUSTRIAL PRODUCT DATASHEET

Solar Charger Shield v2.2

The Solar Charger Shield v2.2 is a stackable Arduino-compatible shield enabling solar energy harvesting and battery-powered 5V output up to 600mA.

SKU

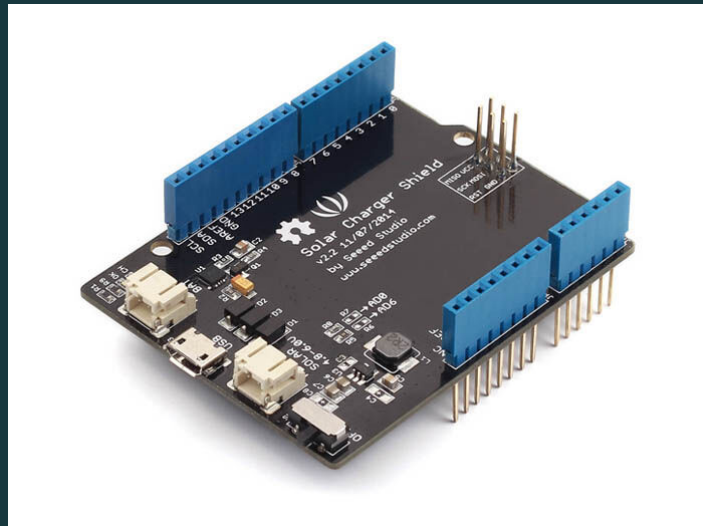
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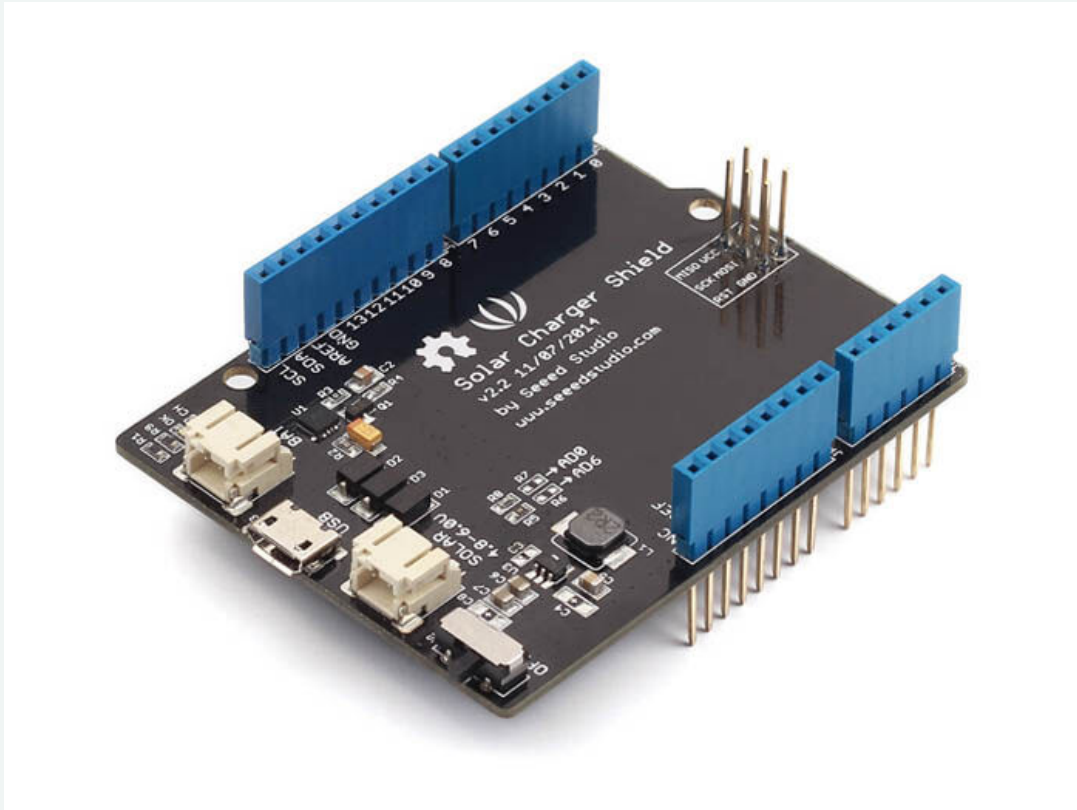
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PRICE

\$14.90(Excl. VAT)



Overview



The Solar Charger Shield v2.2 is a stackable Arduino-compatible shield for in-field charging, supporting battery (3.0–4.5V) or Li-ion/solar panel configurations with micro-USB backup. It delivers up to 600mA at 5V output, charges batteries at up to 900mA, and features short-circuit protection and charging status LEDs.

Key Features

The solar charger is a stackable shield to Arduino compatible platforms, enables adaptive battery power and act as energy harvester for in-field charging. You may use various batteries that has the voltage of 3.0V-4.2V to shift up for 5V output, or put on Li-ion battery and solar panel to form an autonomous sensor unit. The maximum current provided by the board can get up to 600mA. An usb connector is also useful to charge the battery.

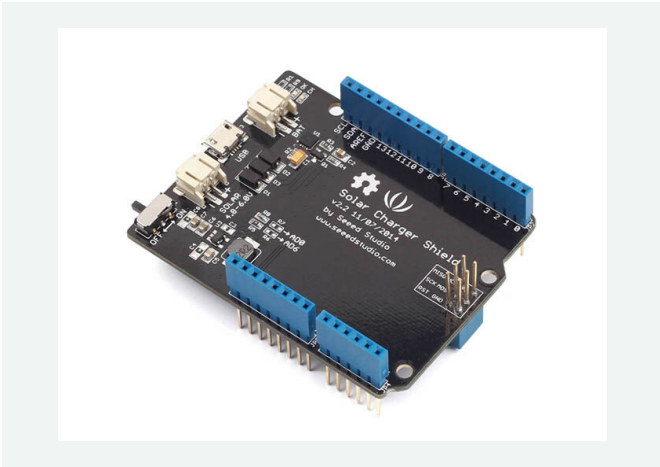
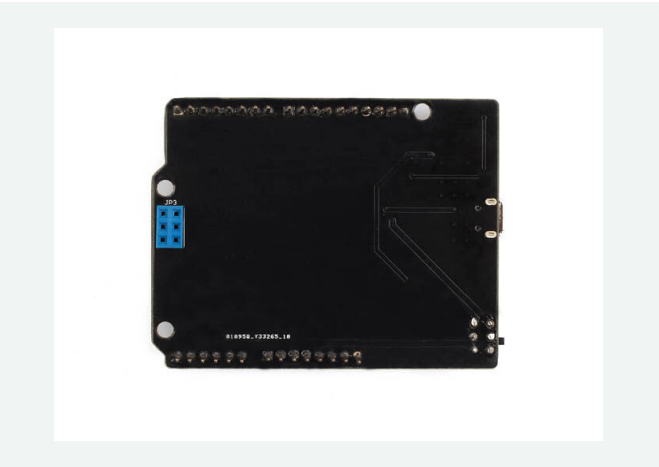
Features:

- Short circuit protection
- 3W Output Power when connecting battery
- Continuous Charge Current Up to 900mA
- Battery status indication (Red : Charging , Green: Charged)
- Micro-USB Connector

Specification:

- Battery input voltage: 3.0~4.5V
- USB input voltage: 4.75~5.25V
- Solar input voltage: 4.8~6V
- Maximum Output Power(with battery): 3W(600mA@5V)
- Ripple voltage : <100mV @ 500mA
- Dimensions: 68*53mm

Product Gallery



Part List

Solar Charger Shield v2.2	1
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Compliance & Logistics



HSCODE	8504909090
USHSCODE	8504904100
UPC	841454102779
EUHSCODE	8543709099
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Solar-Charger-Shield-v2-2.html>
- [Solar Charger Shield v2.2 sch&pcb](#)
- [Solar Charger Shield v2.2.pdf](#)
- [DSE-CN3065.pdf](#)
- [ETA1036.pdf](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com