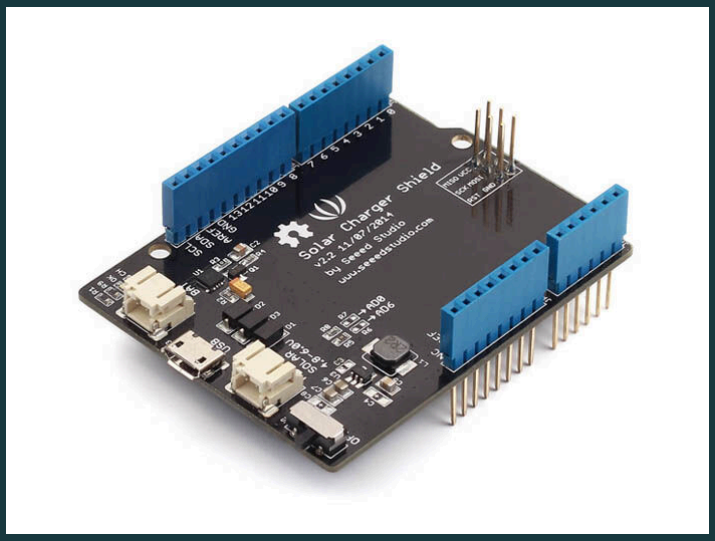
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INDUSTRIAL PRODUCT DATASHEET

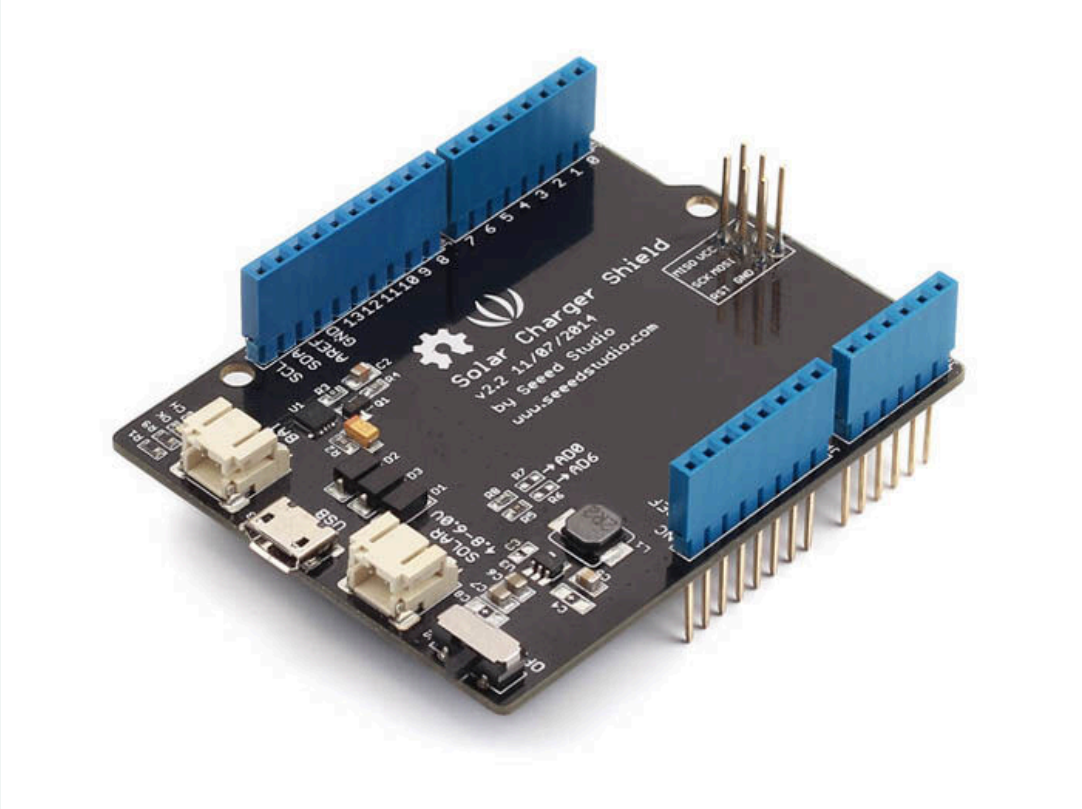
Solar Charger Shield v2.2

Stackable Arduino-compatible solar charger shield with 3W output power, up to 900mA charge current, and battery status indication.

SKU	UPDATED	PRICE
106990020	2026-10-23 02:48:10	$15.90(Excl. VAT)



Overview



The Solar Charger Shield v2.2 is a stackable shield for Arduino compatible platforms that enables adaptive battery power and acts as an energy harvester for in-field charging. It supports batteries from 3.0V to 4.2V for 5V output, Li-ion battery and solar panel combinations for autonomous sensor units, and provides up to 600mA current, 3W output power, and up to 900mA continuous charge current with short circuit protection and battery status indication.

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.

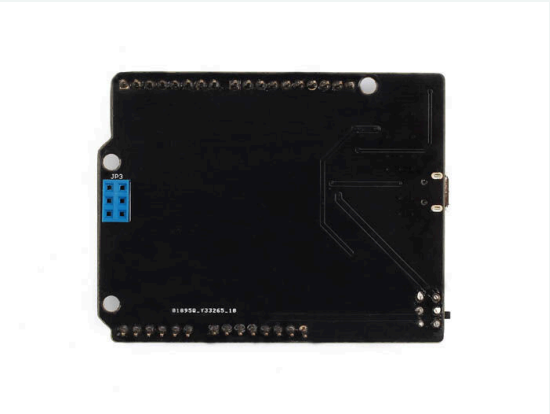
Features:

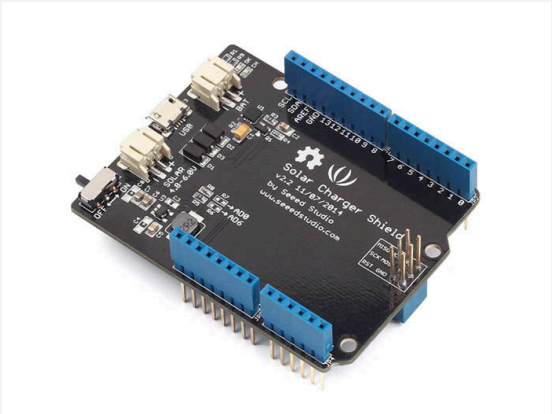
- Short circuit protection
- 3W Output Power when connecting battery
- Continuous Charge Current Up to 900mA
- Battery status indication (Red : Charging , Green: Charged)
- Micro-USB Connector

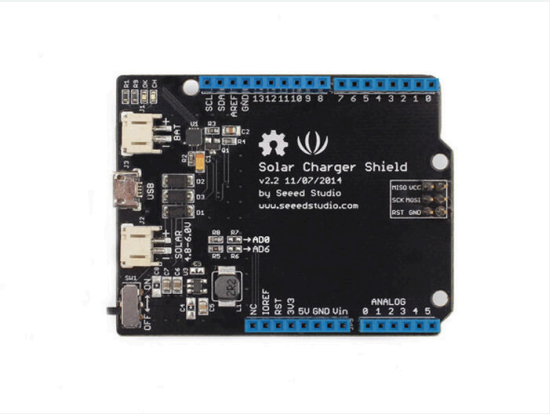
Specification:

- 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

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

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