

## Solar Charger Shield v2.2

SKU 106990020

### Description

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:

- Output Disconnect
- 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

**Technical Details**

Dimensions	115mm x 75mm x 25mm
Weight	G.W 42.50g
Battery	Exclude

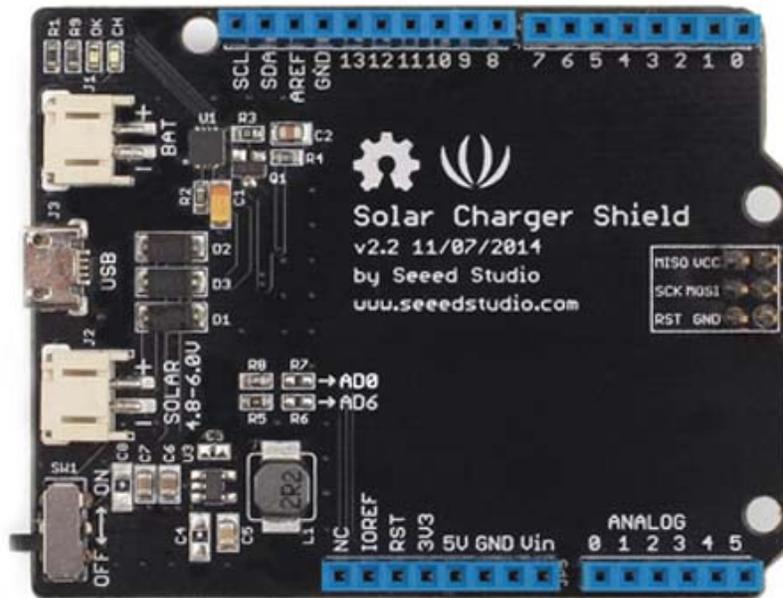
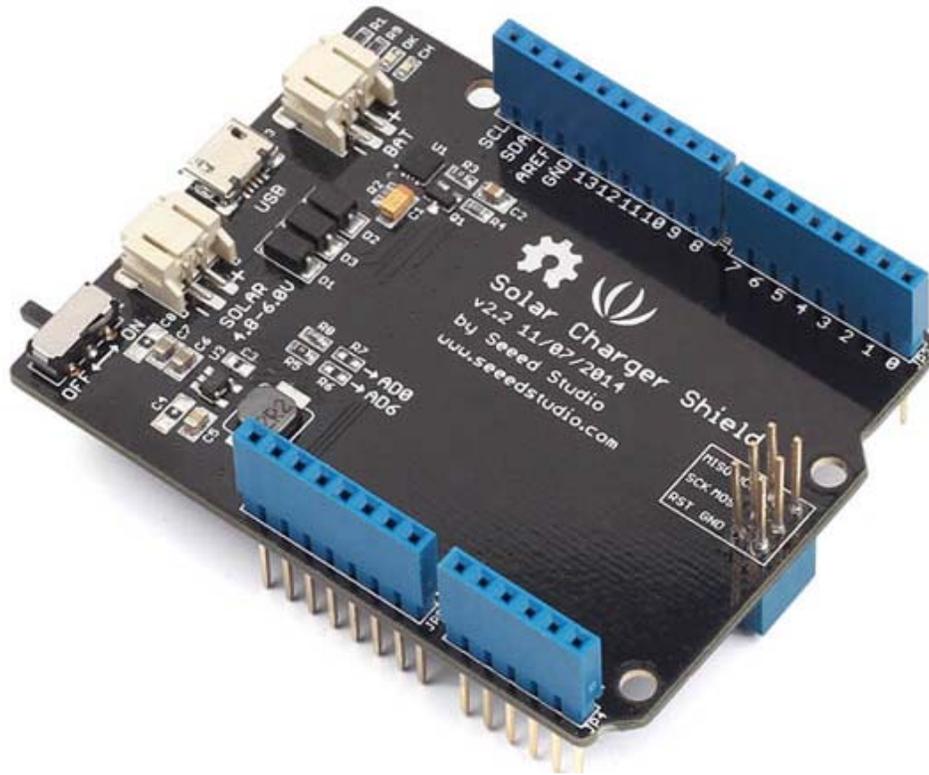
*Part List*

Solar Charger Shield v2.2	1
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*ECCN/HTS*

ECCN	EAR99
HSCODE	8504909090





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