Thank you for your interest in the S6SAE101A00SA1002 Solar-Powered IoT Device Kit. This document lists installation requirements, limitations, and known issues with the kit.

**Kit Content**

The S6SAE101A00SA1002 Solar-Powered IoT Device Kit includes the following:

- Energy Harvesting Motherboard
- BLE-USB Bridge
- Series Solar Module (Panasonic AM-1801)
- Two Jumper Wires
- 220μF Capacitor and 10Ω Resistor
- USB Standard-A to Mini-B cable
- Quick Start Guide

**Installation**

Installation instructions are provided in the S6SAE101A00SA1002 Solar-Powered IoT Device Kit User Guide, which is available at [www.cypress.com/energy-harvesting](http://www.cypress.com/energy-harvesting).

**Kit Revision**

This is revision *A of the S6SAE101A00SA1002 Solar-Powered IoT Device Kit.

**Limitations and Known issues**

Following are limitations and issues that are known at the time of release of this kit. These will be addressed with future updates to the kit.

- The 200μF VSTORE1 energy of the Motherboard becomes discharged when the XRES (SW2) button is pushed.
- To connect both a coin cell battery and a solar cell, the VOUT value of the S6AE101A should be changed to a value that is less than the battery voltage.
- The initial firmware programmed into the BLE-USB Bridge does not support the CySmart™ Software Utility. Instead, the firmware is a custom version used for demonstrating the features of this kit.
- For limitations and known issues with the S6AE101A PMIC device, see the [S6AE101A datasheet](#).
- For limitations and known issues with the EZ-BLE PRoC™ module, see the [EZ-BLE PRoC Module datasheet](#).
- For limitations and known issues with the CY7C65213 USB-UART LP Bridge Controller device, see the [CY7C65213 datasheet](#).
For limitations and known issues with PSoC Creator™, see the PSoC Creator 3.2 SP1 release notes.

**Documentation**

The kit documentation is available on the web: Documents include:

- **S6SAE101A00SA1002_User_Guide.pdf**
- **S6SAE101A00SA1002_Quick_Start_Guide.pdf**
- **S6SAE101A00SA1002_Release_Notes.pdf**

PSoc Creator documentation is available when it is opened under the menu item Help > Documentation

The default location for PSoC Creator documents is:

<Install_Directory>\PSoc Creator\<version>\PSoc Creator\documentation

The default location for PSoC Programmer documents is:

<Install_Directory>\Programmer\Documents

**Technical Support**

For assistance, go to www.cypress.com/support or contact our customer support at +1 (800) 541-4736 Ext. 2 (in the USA), or +1 (408) 943-2600 Ext. 2 (International).

**Additional Information**

- For more information about PSoC Creator functionality and releases, visit the PSoC Creator web page: www.cypress.com/psoccreator
- For more information about PSoC Programmer and supported hardware, visit the PSoC Programmer web page: www.cypress.com/psocprogrammer
- For a list of trainings on PSoC Creator, visit www.cypress.com/go/creatorstart/creatorentraining