



Release Notes

S6SAE101A00SA1002 Solar-Powered Internet of Things (IoT) Device Kit

Release Date: April 11, 2017

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
- 220 μ F Capacitor and 10 Ω 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.

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 200 μ F 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 PProC™ module, see the [EZ-BLE PProC 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/creatortraining



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