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Spec No: 001-98051

Spec Title: RELEASE NOTES S6SAE101A00SA1002 SOLAR-POWERED INTERNET OF THINGS (IOT) DEVICE KIT

Replaced by: NONE



## Release Notes

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

Release Date: May 19, 2022

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 $\mu$ F Capacitor and 10 $\Omega$  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 200 $\mu$ 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 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](http://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](http://www.cypress.com/psoccreator)
- For more information about PSoC Programmer and supported hardware, visit the PSoC Programmer web page: [www.cypress.com/psocprogrammer](http://www.cypress.com/psocprogrammer)
- For a list of trainings on PSoC Creator, visit [www.cypress.com/go/creatorstart/creatortraining](http://www.cypress.com/go/creatorstart/creatortraining)



Cypress Semiconductor  
198 Champion Court  
San Jose, CA 95134-1709  
[www.cypress.com](http://www.cypress.com)

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