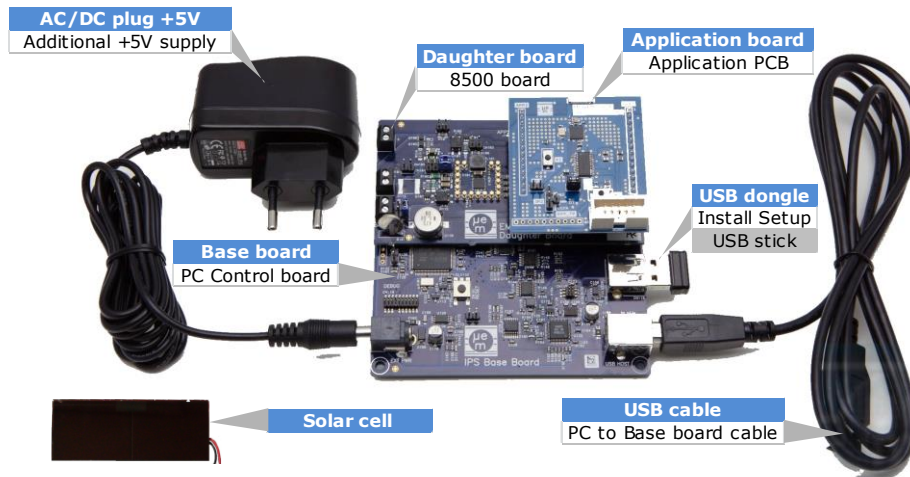


## EMDVK8500 QUICK START GUIDE



Your EMDVK8500 Development Kit contains:

- | **EMDVK8500** Base Board – 8500 Daughter Board – Application Board
- | **USB Cable**
- | **Power-supply**
- | **USB Dongle** containing EM8500 DevExplorer software installation setup
- | **Solar cell**

Full documentation for **EMDVK8500** and **DevExplorer** is available on EM website (EMDVK8500 user guide)

[http://www.emmicroelectronic.com/emdownloads/EM8500/emdvk8500\\_user\\_guide.pdf](http://www.emmicroelectronic.com/emdownloads/EM8500/emdvk8500_user_guide.pdf)

This quick start document guides you through the set-up of your development hardware kit, software and demo.

## 1 INSTALL THE EM8500 DEVEXPLORER SOFTWARE TOOL FROM THE USB DONGLE

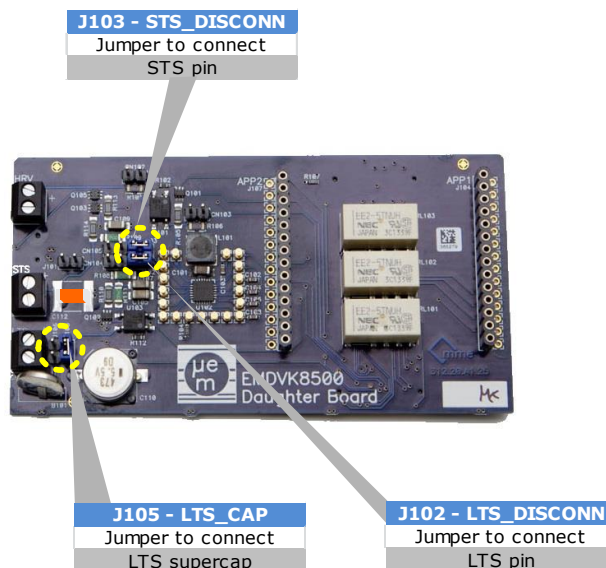
- | **Connect the USB memory stick** on the Base board (USB MEM connector)
- | **Connect the Base board** (USB Host) to the PC using the USB cable.
- | **Skip and close** the installation driver window that may pop-up.
- | **Open an explorer** window.
- | **Click** on the relevant **USB stick drive**.(EM8500 DevKit)
- | **Double click** on the **EM8500 DevExplorer setup executable file**.

This setup will guide you through the installation process.

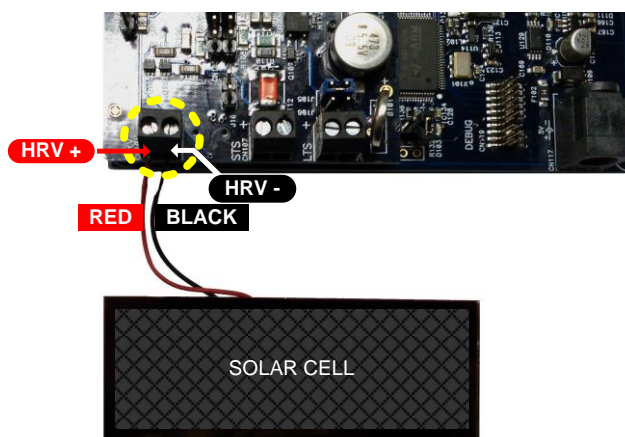
Any additional questions? Please refer to the EMDVK8500 User Guide

## 2 CHECK THE DAUGHTER BOARD CONFIGURATION

- | **Place the jumpers** as shown below

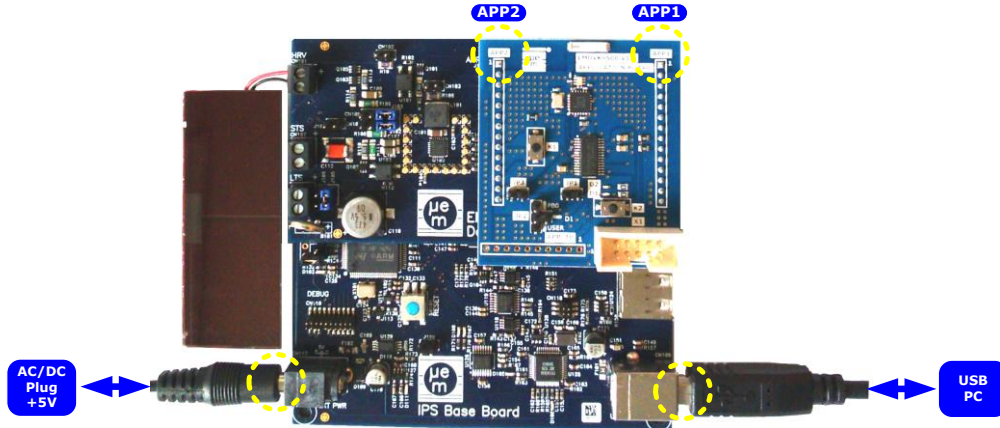


## 3 CONNECT THE SOLAR CELL TO THE HRV DAUGHTER BOARD SCREW TERMINAL



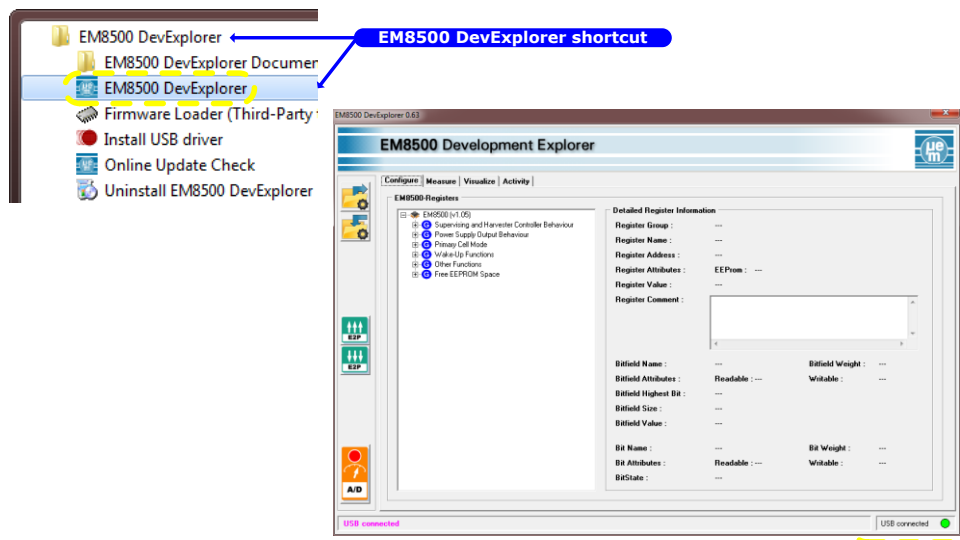
## 4 BUILD AND CONNECT THE SYSTEM TO THE PC

- | Plug the three boards together
- | Connect the USB cable
- | Connect the power-supply.



## 5 LAUNCH THE DEVEXPLORER SOFTWARE

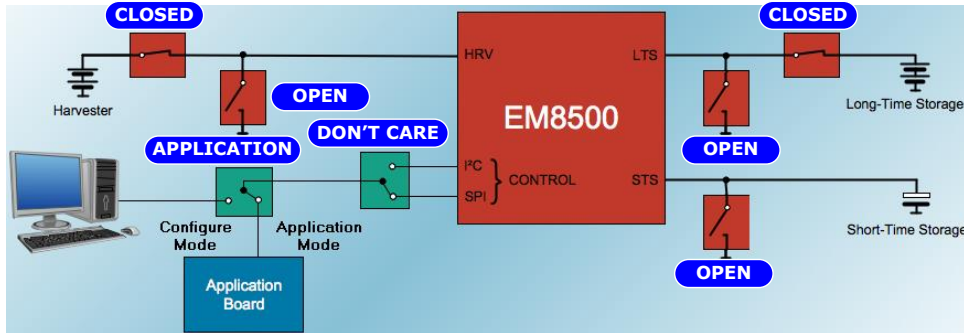
- | Use the Start Menu **shortcut** EM8500 DevExplorer to launch the software.



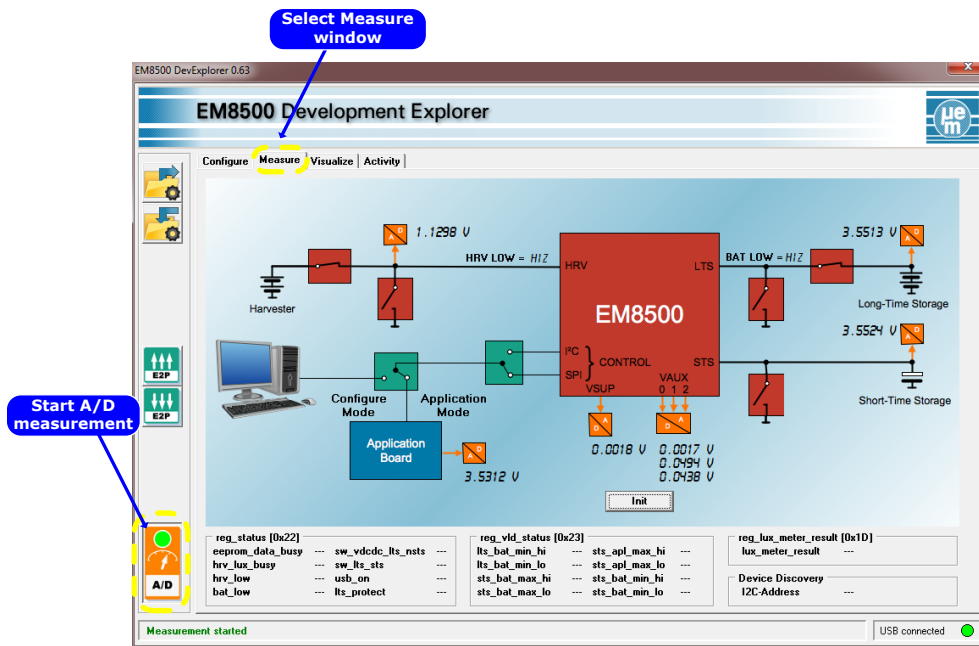
**6 RUN THE DEMO**

A default application demo is available on EMDVK8500.

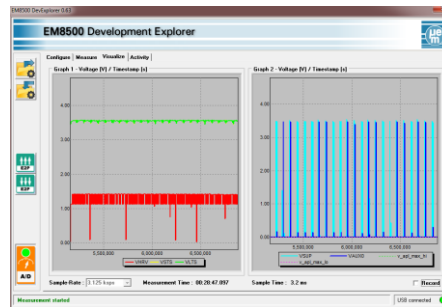
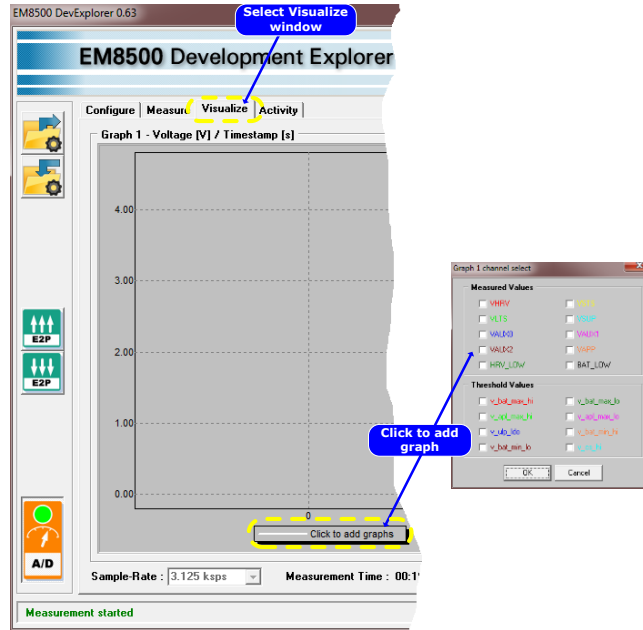
- | **Select the Measure window**
- | **Check that all the switches and selectors are set as shown below**



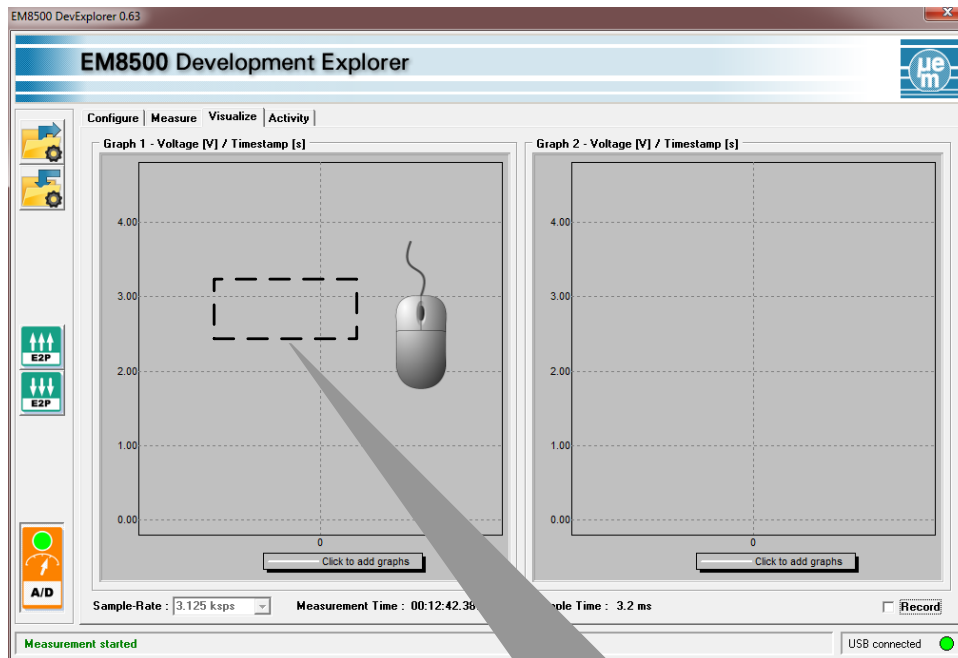
- | **Click on the A/D measurement button to observe measured voltages.**



- | **Select the Visualize window**
- | **Click on the Graph 1 and/or Graph 2 “Click to add graphs” buttons to add the signals or thresholds that you want to observe in your graphical window**



- I The EM8500 DevExplorer Graph viewer tool allows you to navigate within the waveforms



Mouse viewer tool	
Zoom-In :	Mark top-left to bottom right
Zoom-Out :	Mark bottom-right to top left
Move:	Hold down right mouse button
Select :	Click legend to select channels

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