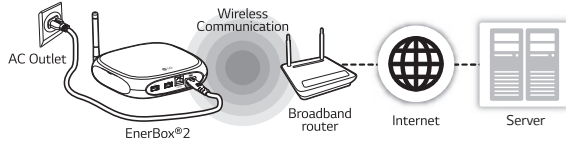


Wireless connection



EnerVu2  
For Professionals  
Android



EnerVu2  
For Professionals  
iOS



EnerVu2  
For Homeowners  
Android



EnerVu2  
For Homeowners  
iOS

## Professionals (Field Crews)

■ Indicates the device used for each step.

Before Installation \*

### Laptop or Mobile Phone

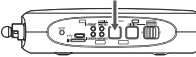
- At the job site, the field crew must sign in to the EnerVu2 Pro app to install EnerBox2.
- If the field crew already has EnerVu credentials: log in to the app. Then follow the steps described in "Homeowner 1" and "Professional 5".
- If the field crew does not have EnerVu credentials: Request an invitation via email from the Company Admin account holder in your company. Follow the instructions in this email to set up a password.
- Go to <https://enervu.lg-solar.com> or the EnerVu2 Pro app, agree to the terms and conditions, submit the form and sign in.

Create a Company Admin account by signing up for Company's management and back office personnel at [enervu.lg-solar.com](https://enervu.lg-solar.com) (visit LG Solar USA for a video tutorial on Account Setup).

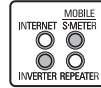
At home

- EnerBox2 H/W** Plug the EnerBox2 into an AC outlet as close as possible, electrically, to the service/breaker panel. Peel the S/N sticker<sup>①</sup> from the backsheet on the bottom of the EnerBox2 and place it on the paper array map. Do not plug EnerBox2 into a power strip or socket that is connected to other appliances. The white LED light on the top of the EnerBox2 will flash for one minute to indicate booting.

- EnerBox2 H/W** Once the white LED turns off, press the WPS/AP button. The Mobile/S-METER LED will turn to solid amber. You can proceed to step 7 before all panels have been detected.



- EnerBox2 H/W** The ACe communication status is indicated by the "INVERTER" LED located under the flap on the left side of the EnerBox2. The color of the "INVERTER" LED will change based on the current status: Initial scanning of ACe panel: blinking amber, Detecting: blinking green, All ACe panels detected: solid green. A maximum of 15 minutes is required to detect all of the panels. You can proceed with step 8 before all panels have been detected.



(Mobile/s-meter LED : Solid Amber)

- Mobile - WIFI Setting** Open WIFI to connect the gateway (PW: 87654321) with the mobile phone (SSID name of EnerBox2 is "Enerbox\_XXXXX"<sup>②</sup>).

### Mobile - EnerVu2 Pro APP

- Sign in to the EnerVu2 Pro APP.
- Click the "LG EnerBox2" icon.
- Enter the total number of ACe panels installed.
- Click "Save".
- Confirm that at least two bars are displayed in the PLC level bar<sup>③</sup> in the Dashboard tab. If one or no bars are showing, unplug the EnerBox2 and plug it into a different socket based on the procedure specified in step ⑩.
- The EnerBox2 will begin detecting the ACe panels on the rooftop (max. 15 min.). If not all panels are detected successfully, you must relocate the EnerBox2 to a different socket, as specified in step ⑩.
- Unplug the EnerBox2 and plug it into a different socket. Wait 1 minute for the EnerBox2 to boot (white circle on top), press the AP button again, check if the Mobile/S-meter light has turned to solid amber, switch the EnerVu2 Pro app off, follow step 8, switch the EnerVu2 Pro app on, and check if two or more PLC bars are showing in the Dashboard tab of the EnerVu2 Pro app. Then, click "Start Scan" in the EnerVu2 Pro app. (LG EnerBox2 -> AC modules -> Start Scan). Once the scan completes, check that the number of ACe panels installed matches the number detected.

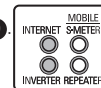
### Mobile - EnerVu2 Pro APP

Connect the EnerBox2 to the Internet router by an Ethernet cable (preferred) or alternatively by WIFI. To connect by WIFI, open the EnerVu2 Pro app and press the following buttons in order: LG EnerBox2 -> Network -> WLAN. Connect to the homeowner's WIFI using their login credentials.

- EnerBox2 H/W** Confirm that the EnerBox2 is connected to the Internet by checking if the "INTERNET" LED is a solid green. A solid green LED light indicates that the device is connected. It takes up to 5 minutes to connect. Disconnect the mobile phone from EnerBox2 by pressing the WPS/AP button. The Mobile S-meter LED light will turn off.

- Confirm that the setup is complete by checking the following:

- The number of ACe panels installed matches the number indicated in step 9.
- Press "STOP SCAN" in the EverVu2 Pro App (LG EnerBox2 -> AC Modules). The "INVERTER" light should change from blinking green to solid green.
- The "INTERNET" light will be a solid green if the EnerBox2 is connected to the Internet. (When the EnerBox2 is connected to a smart meter, the LED indicator for the Mobile S-meter will also turn a solid green.)
- Two or more PLC bars are showing.



For ESS only: Access PCS via Bluetooth and confirm the ID and battery serial number(s). For pairing with a smart meter, register EnerBox2 to the local utility using the Zigbee EU164 number on the bottom of the EnerBox2 (visit LG Solar USA for a video tutorial using the QR code below).

### Laptop, EnerVu Web

- Log in to <https://enervu.lg-solar.com>. Go to: System -> Create System. Fill in all information and click SAVE. An email will be automatically sent to the homeowner.
- Fill in the EnerBox2 S/N from step 5 and click CHECK. Confirm the grid profile and the number of ACe panels displayed matches the number installed. If so, click SAVE.
- Design the array layout located under the EnerBox2 Info menu. (visit LG Solar USA for video tutorials using the QR code below).
- In the right corner, you will find an ACTIVATION CHECKLIST. Confirm that all steps are complete. Click ACTIVATE. The installer and homeowner can now monitor the NeON R AC system thru EnerVu.

Setup anywhere

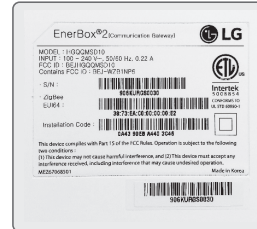
## Homeowners

### Laptop or Mobile Phone

- Create Homeowner account at <https://enervu.lg-solar.com>
- Complete Password setup via link sent to your email ✉
- Download and install "EnerVu2 Owner" app for Android or iOS (Android 5 / iOS 9 and above)
- Sign in to the "EnerVu2 Owner" app using your Homeowner account login and password



### ① EnerBox2 serial number sticker sample

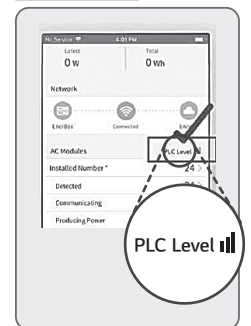


### ② Sample of WIFI name

EnerBox\_XXXXX (XXXXX : Last five digits of EnerBox2 serial number) e.g.

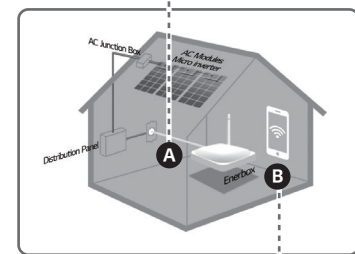
EnerBox\_EST16

### ③ PLC level bar



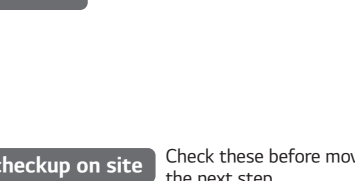
### Connection A

EnerBox2 set up to detect ACe panels



### Connection B

EnerBox2 set up to connect to internet



### Final checkup on site

Check these before moving on to the next step.

### Laptop or Mobile Phone


- Homeowner: Finalize LG account registration from the email in step 13




## Safety instructions

Please take note of the safety instructions to prevent any potential accident or misuse of the gateway.

Safety precautions are given in two forms, i.e. Warning and Caution as detailed below.

 **WARNING** Failure to follow the instructions may cause serious injury and even death.

 **CAUTION** Failure to follow the instructions may cause injury to persons or damage to the product.

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### **WARNING**

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- Do not place the product in direct sunlight or near heat sources such as radiator, fires, stoves, etc.
  - This may cause fire.
- Do not allow children to cling to the Product.
  - This may cause the product to fall, causing injury or death.
- Do not place the product on a place which can be reached by oil or steam such as a cooking table or humidifier.
  - An electric shock or fire may occur.
- Do not use the product in damp places like a laundry room or bathroom.
  - Moisture may cause a glitch or an electric shock.
- Plug the power cord tightly into the outlet.
  - Loose connection of the power cord could cause a fire.
- Do not place heavy objects on the power cord.
  - This may cause fire or electric shock.
- Never touch the power cord with your hands wet.
  - Otherwise, an electric shock may occur.
- Operate the product at the proper voltage (AC 120 V).
  - Excessive voltage may result in damage on the product, electric shock or fire.
- Pull the plug, not the cord, to disconnect the power.
  - Otherwise, a fire may occur or the product may get damaged.
- Do not impair the cord by bending or pressing it too hard. Keep children and pets from damaging the power cord.
  - An impaired cord could damage the product parts causing a fire or an electric shock.

- Do not insert a metal chopstick or other conductors into a hole of the outlet when the power cable is connected to the outlet. Do not touch the plug right after disconnecting it from the outlet.
  - Otherwise, an electric shock may occur.
- Please use the power cord certified by LG Electronics.
  - Using a non-certified product may result in a fire and electric shock.
- Do not disassemble, repair, or revamp the product.
  - An electric shock or fire may occur.
  - If you need a checking, adjustment, or repair, contact the service center.
- Do not place anything containing liquid on top of the product, such as a vase, flower pot, cup, cosmetics, or medicine; or ornaments, candles, etc.
  - This may cause fire or electric shock, or injury due to falling.
- Do not spray water directly to the product when cleaning. Do not allow water to get into the product or do not allow it to get wet.
  - This may cause fire or electric shock.
- To avoid damage and explosion of the gateway, do not use at temperatures outside of 0 °C to 60 °C (32 °F to 140 °F).

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### **CAUTION**

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- Place the product in a safe place so that it does not fall.
  - If dropped, the product could be damaged and even cause an injury.
- Place and use the product indoor only.
  - Otherwise, this may cause damage to the product.
- Do not connect the product to power strips, surge protector or surge protector-embedded power strips. It is recommended the gateway is directly connected to a 120V AC outlet.
  - Otherwise, communication interference may occur.