Subject: Commissioning Process for EESOLAR Inverters (L1-M1-M3-MB0 models)

Revision History
Version 1.0 – October 2026- Initial release

Applicable products and models
EESOLAR-5-6KTL-L1 / EESOLAR-6-10KTL-M1 / EESOLAR-29.9-40-50KTL-M3 / EESOLAR-20KTL-MB0

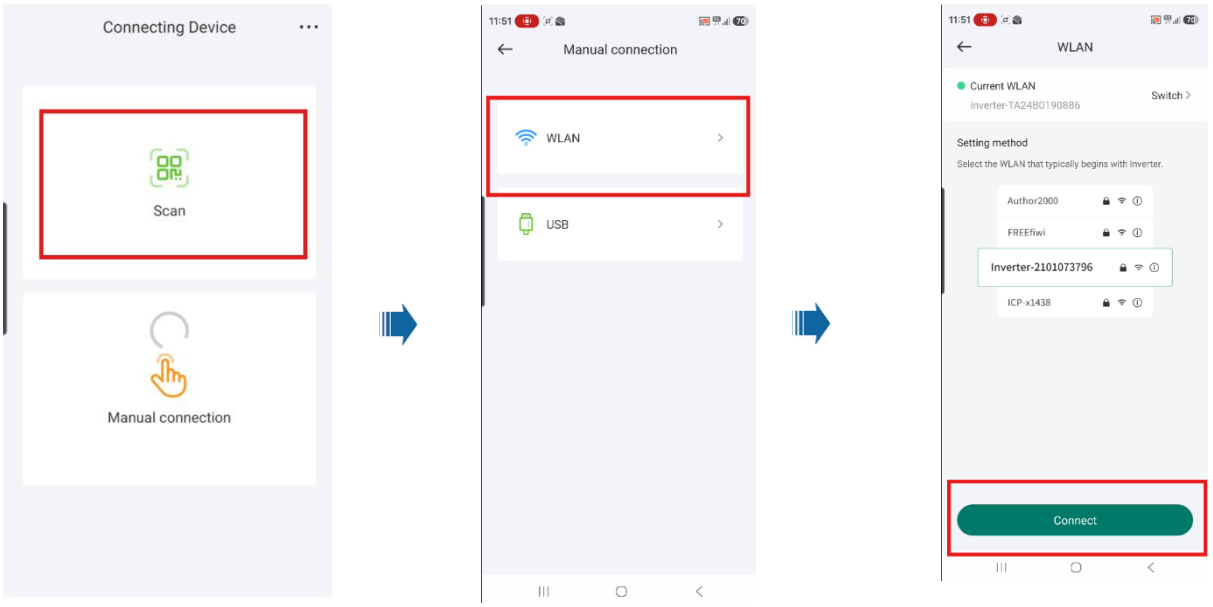
For setting up and monitoring Entelar Energy hardware, you will need to use two different apps:

- **HiSolar** – used to set up (commission) the devices
- **Univers** – used to monitor the system

Commissioning the devices-HiSolar App

1. Download the HiSolar APP for commissioning.
   Android https://play.google.com/store/apps/details?id=com.solar.pv
   IOS https://apps.apple.com/us/app/hisolar/id6447599228

2. Stand next to the inverter and open the **HiSolar** app. Tap **Scan**, then select **WLAN Connection**. Scan the QR code on the inverter to automatically connect to the inverter's Wi-Fi hotspot. The inverter Wi-Fi password will be populated automatically.

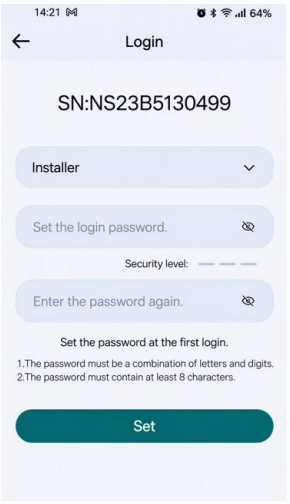


If manual connection is required, select the inverter's Wi-Fi network from your device's available Wi-Fi networks and enter the password printed on the label on the right-hand side of the inverter.



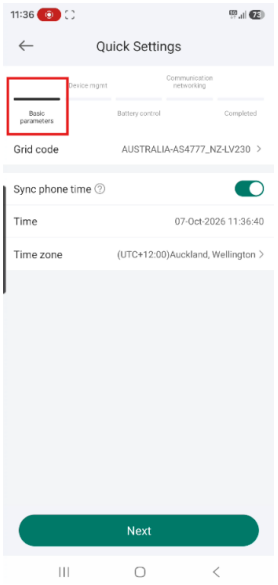
3 Set the installer password

Create a password for this inverter. You will need it whenever you connect through **HiSolar**, so **record it securely**.



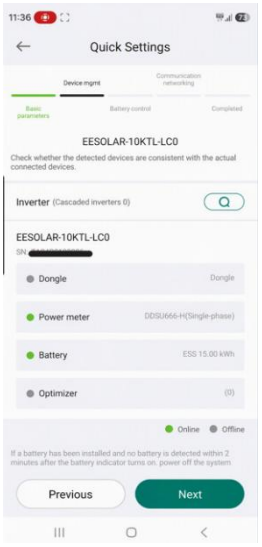
4 Complete Basic parameters

- Open **Quick Settings.**
- Set Grid code to **AUSTRALIA-AS4777_A-LV230** unless your local lines company specifies otherwise.
- Enable Sync Phone Time.
- Set the time zone to **Auckland**, then tap **Next**.



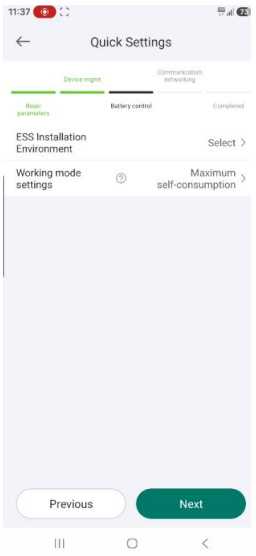
5 Verify Device Management

- Confirm every connected device has a green status indicator.
- If a device is not green, check its wiring and communications connection.
- For cascaded inverters, tap Search. If no optimizers are installed, skip the optimizer search.
- When all devices are detected and verified, tap **Next**.



6 Battery Control

- On the working mode settings select **Maximum self-consumption**
- This can be changed later in Univers if the system owner has different requirements ie TOU



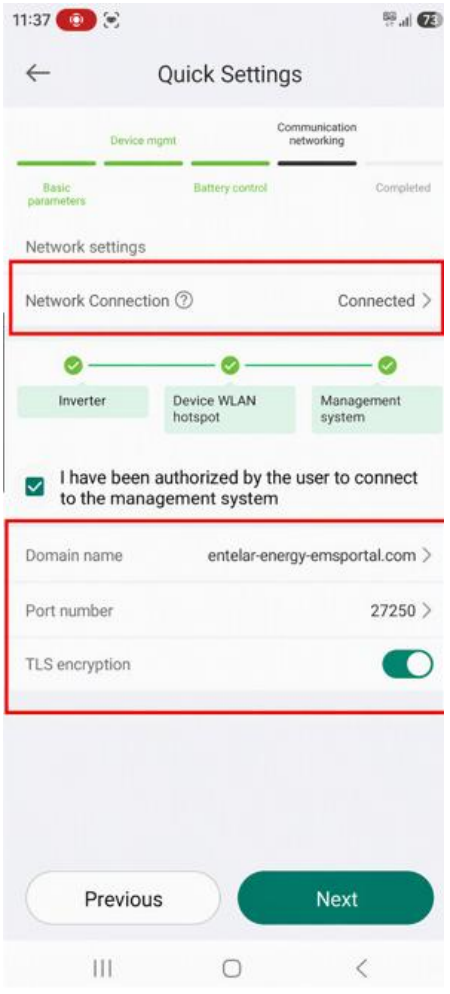
6 Communication Networking

- Under **Network Connection**, select the site's local Wi-Fi network and enter the **Wi-Fi password** to connect.
- Tick **"I have been authorized by the user to connect to the management system."**
- Enter the following management system settings:

Domain name: **entelarenergy-emsportal.com**
Alternative IP address **20.199.96.147**

Connection Type	Port Number	TLS
WLAN Dongle (Wi-Fi)	27250	Enabled
No Dongle / 4G Dongle	27251	Disabled

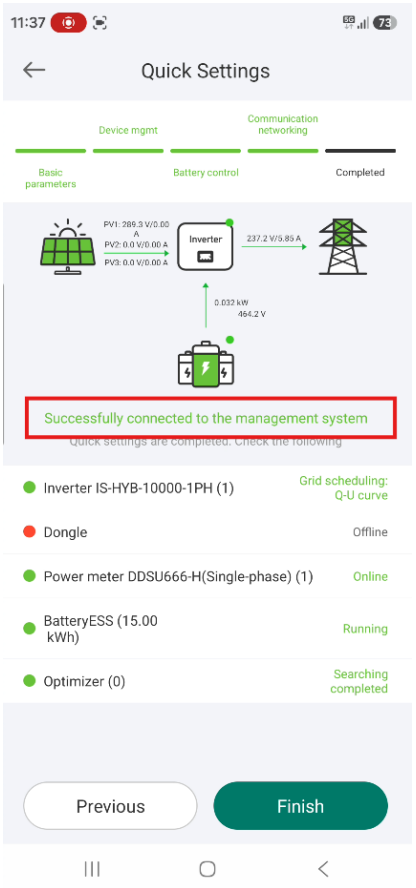
- Check that the Wi-Fi connection shows **Connected** and that all settings are correct
- Tap **Next** to continue.

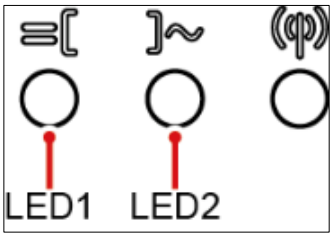


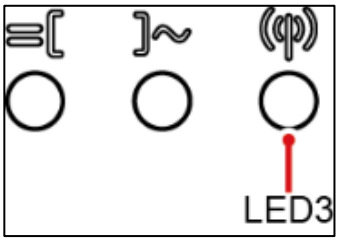
Once Quick Settings is completed, you should see the energy flow diagram and all devices online.

Check the inverter indicators:

- DC (LED1) and AC (LED2) should be solid green or blinking slowly for more than 3 minutes
- The Communication indicator (LED3) should be blinking green





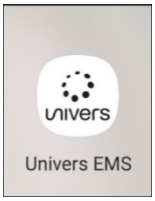


*Hint: Take a screenshot of the **Completed** page. This can help the Entelar support team diagnose any issues if the process doesn't go smoothly.

Now that you've completed all the commissioning settings for the inverter, you can create a plant in Univers so both you and the system owner can access it remotely.

Monitoring Platform – Univers EMS (Entelar):

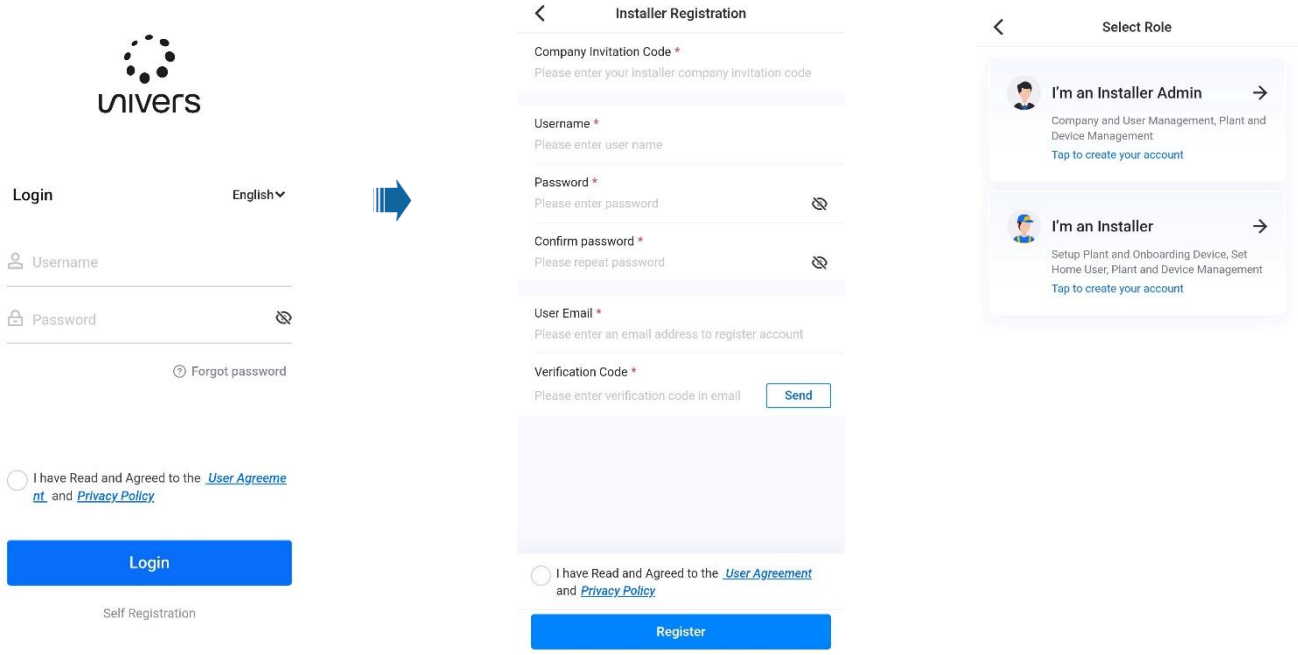
1. Download Univers app for parameter setting & monitoring.



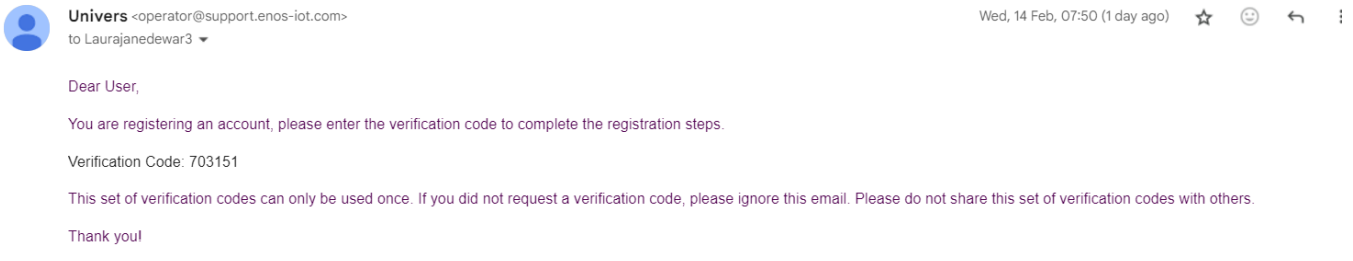
Android:
https://play.google.com/store/apps/details?id=com.enos.mobile.newenergy.hossain&pli=1
IOS:
https://apps.apple.com/us/app/univers-ems/id6450944236

2. Set up your account by clicking 'Self-Registration'.

- For installer admin the Entelar Energy Company Invitation Code is '**EESOLAR2026**'
- For installer, please reach out to your installer admin for your company's invitation code.



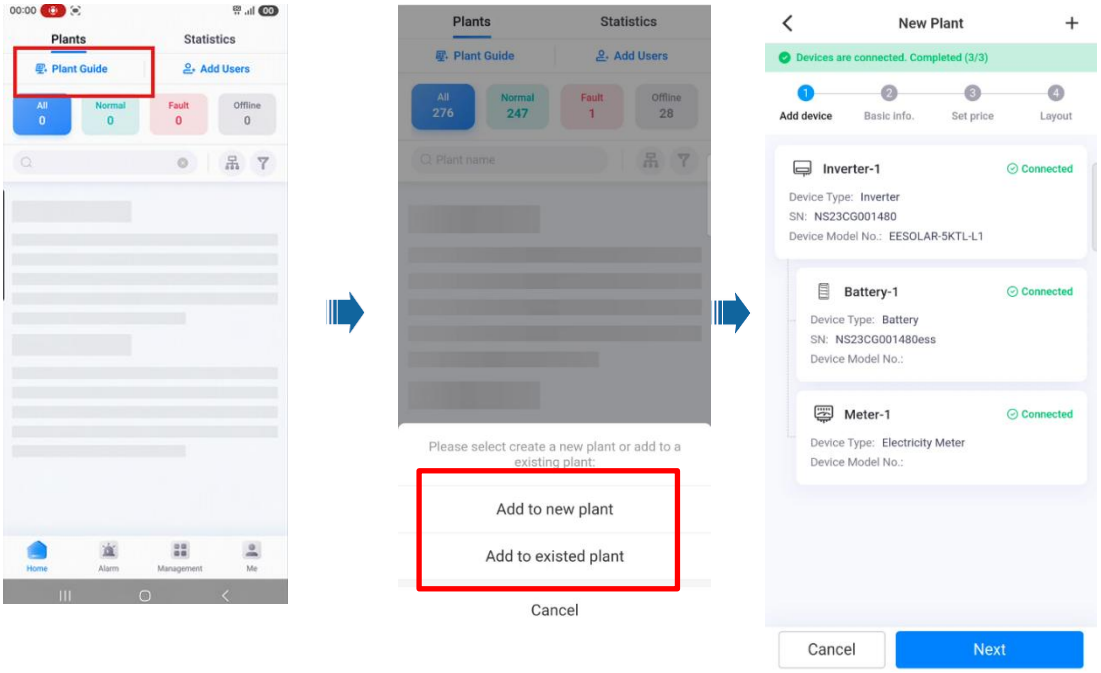
You will receive a verification code, example of this below:



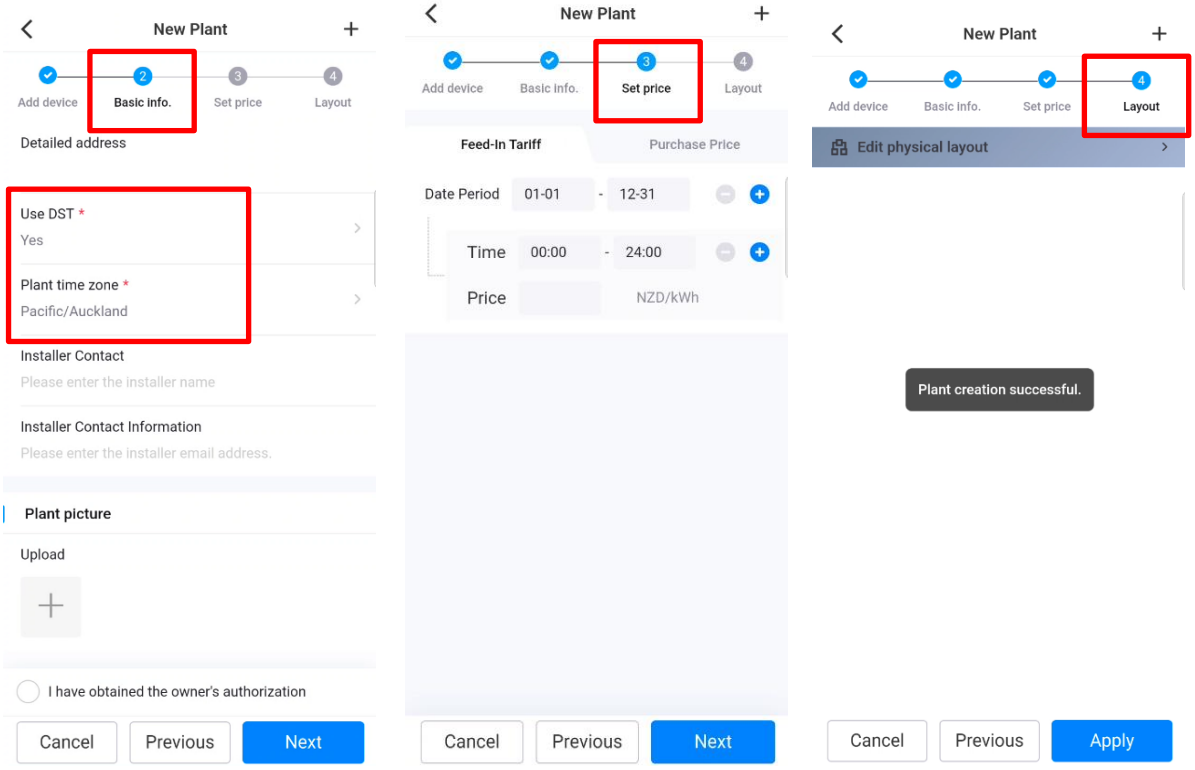
If you do not receive the Email verification code, kindly check your spam / junk folder.

Any difficulties with the registration process please do not hesitate to reach out to:
entelarenergyhelpdesk@entelargroup.co.nz
Or call
0800 835 3447

3. After completing the commissioning steps in HiSolar, log in to Univers to add the plant. Tap **Plant Guide**, then scan the QR code on the right-hand side of the inverter or type in the inverter serial number manually. Select **Add to New Plant**. All devices shown in HiSolar should appear and be connected. Then tap **Next**.

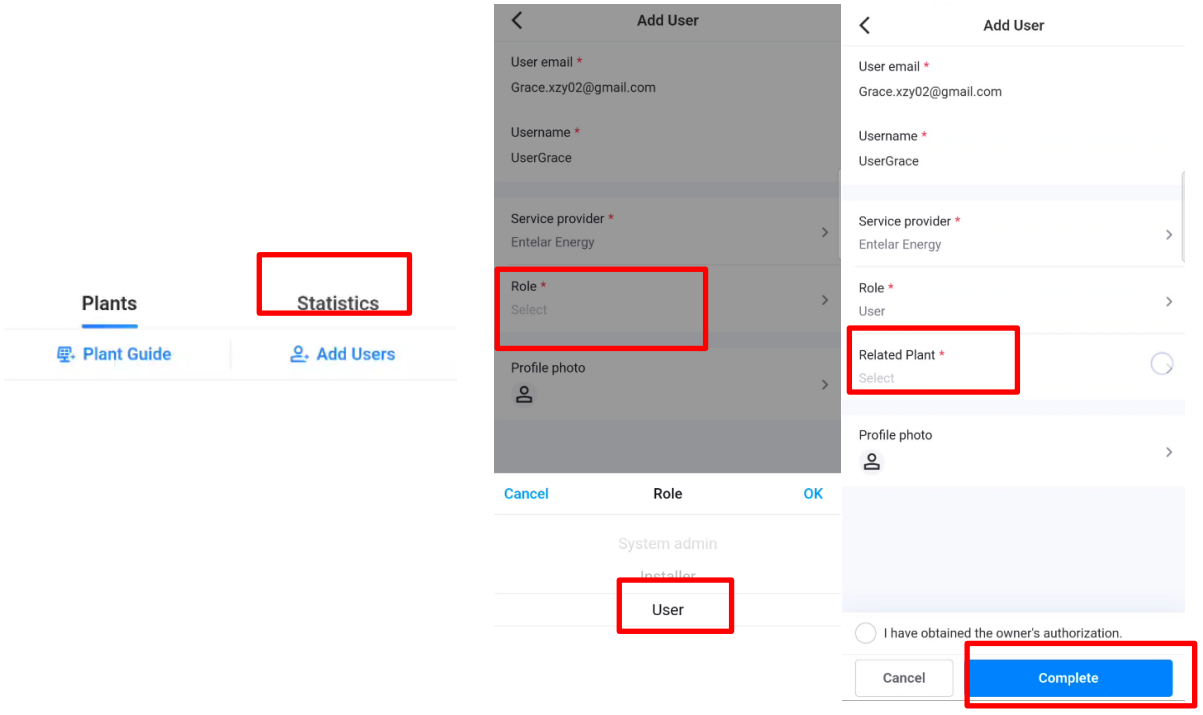


4. In **Basic Info**, enter the plant details. Make sure **DST** (Daylight Saving Time) is enabled and set the plant time zone to **Pacific/Auckland** so daylight saving changes won't affect the system. After entering all the information, tap Next.



5. In Set Price, enter the **Purchase Price** and **Feed-in Tariff** from the power company to calculate the plant's revenue. You or the system owner can update this later. Then tap **Next**.

6. You can skip the layout step by tapping Apply. A confirmation message will show that the plant has been created successfully. The app will take about 5 minutes to sync all data. Then, you can monitor the plant remotely.
7. To add users, tap **Add Users**. Select the Role as User (plant owner) and choose the related plant, then tap **Complete**. The user will receive an email to set up their password.



8. You have now completed the basic setup in Univers.

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