Local Grid Compliance

Sol-Ark 12K, 15K, 18K, and 30K Hybrid Inverters

If you are in Hawaii and need information on HECO compliance settings for any of these Sol-Ark inverters:

- 12K-2P-N
- 12K-2P-LL
- 15K-2P-LV
- 18K-2P-LV
- 30K-3P-208V

Contact Sol-Ark Technical Support for assistance at (972) 575-8875 ext. 2 or support@sol-ark.com

Sol-Ark 60K-3P-480V Hybrid Inverters

The following work instructions for the HECO grid parameters apply to the Sol-Ark 60K-3P-480V Hybrid Inverter. These steps must be completed before HECO submission. Note that some minor screen elements may differ from those displayed on your screen.

277V/480V WYE Service Configuration on page **2**

480V Delta Service Configuration on page **6**

CAUTION: Consult with HECO to verify any settings before changing the interconnection parameters shown.

NOTICE: Sol-Ark has a policy of continuous improvement and reserves the right to modify the information contained in this document at any time and without prior notice. Go to sol-ark.com for the latest information.

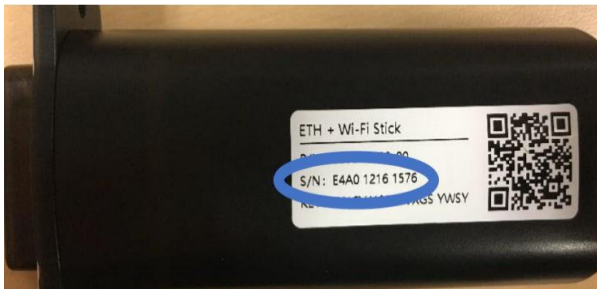
277V/480V **WYE Service** Configuration for 60K-3P-480V

Follow these steps to set up your 60K-3P-480V for WYE service.

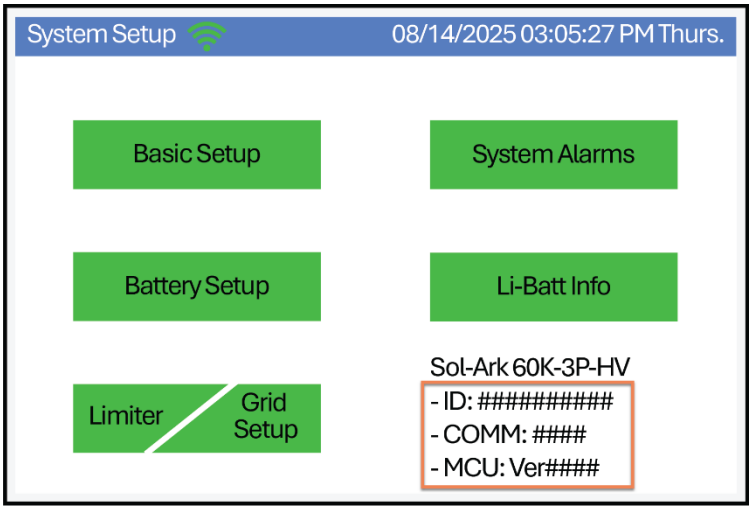
1. Take a photo of the serial numbers on the side of the system. The top ID is for the unique Sol-Ark inverter.

   The pictures show the inverter serial number on the left, and the Wi-Fi serial number on the right. These numbers are used for monitoring registration and both are unique to your system. For example:



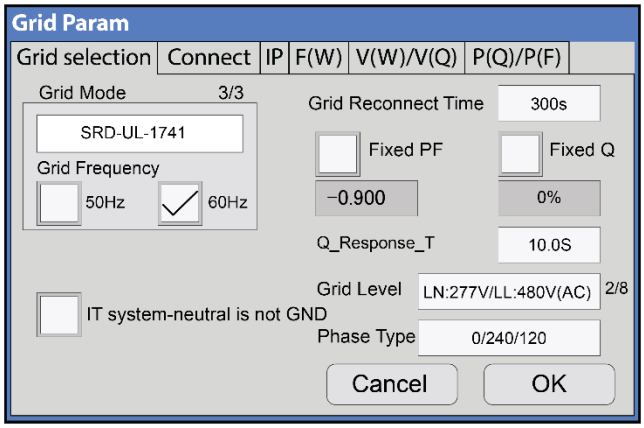


2. Take a photo of the settings screen to verify the date/time, Communication (Comm), and MCU versions. Software versions will be this version or later.

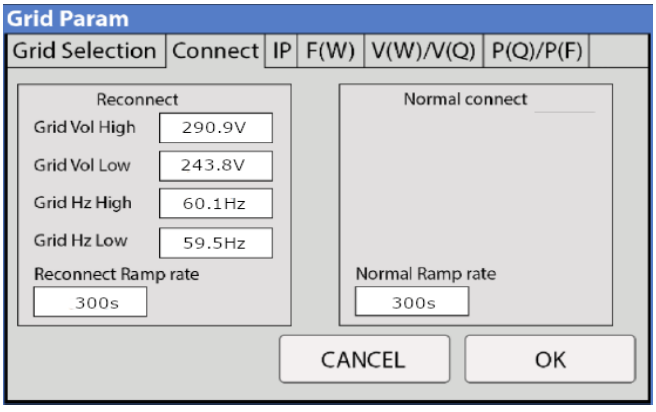


Firmware Versions
60K – MCU: v1057 or later
60K – COMM: 101F or later

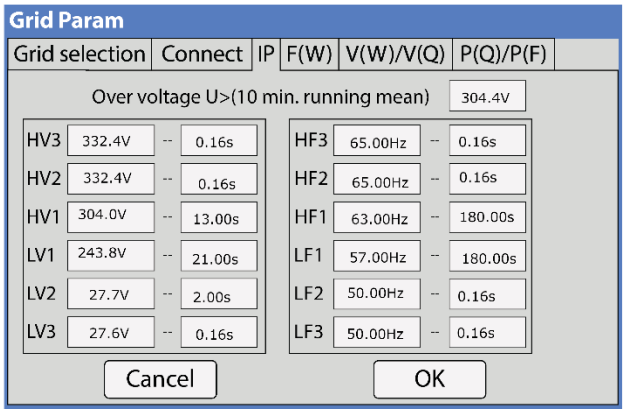
3. From the main screen of the inverter, go to **Grid Setup**. On the **Grid selection** tab, select the proper **Grid Mode** and set the **Fixed PF** (Power Factor). Take a photo.
   a. Grid Mode: **SRD-UL-1741**
   b. Fixed PF: **-0.900**
   c. Grid Reconnect Time: **300s** (default)
   d. Grid Level: **LN: 277V/LL:480V(AC)** This is the required setting to connect to WYE Service.



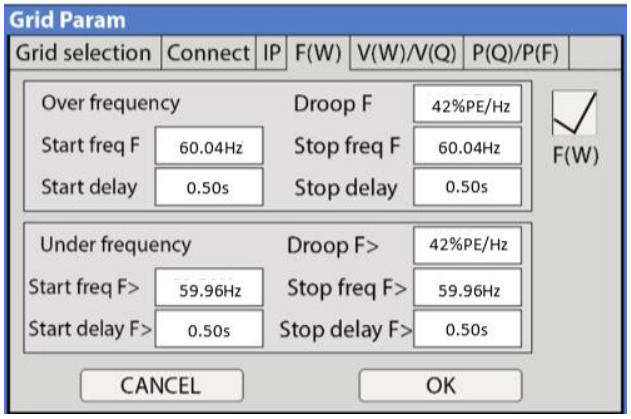
4. On the **Connect** tab, adjust the **Reconnect** and **Normal Connect** settings according to the grid type (277/480V). Take a photo.



5. On the **IP** tab, program the settings for **Low/High Voltage Ride Through & Low/High Frequency Ride Through**. Match the settings below for the appropriate grid type (277/480V). Take a photo.

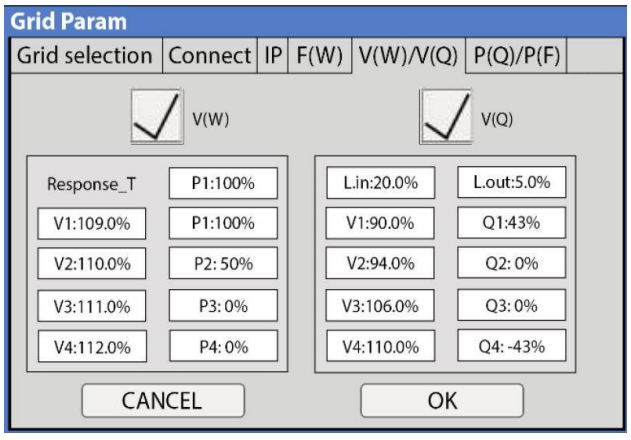


6. On the **F(W)** tab, program the frequency-watt settings to match the screen below. Take a photo.

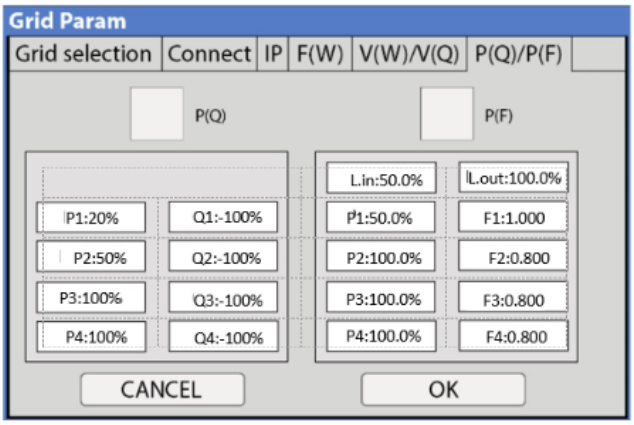


Note: The precision of the values shown on the **F(W)** screen is capped at two decimals.

7. On the **V(W)/V(Q)** tab (Volt-Watt and Volt-Var), select both the **V(W)** and **V(Q)** check boxes. Take a photo.



8. On the **P(Q)/P(F)** tab, if required, select the check box for **P(Q)** (Watt-Var). The "**Q**" value can be set to absorb or inject. Take a photo.



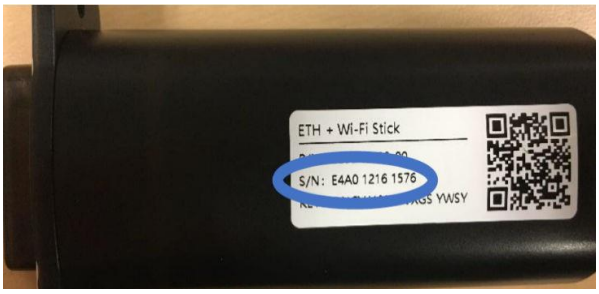
480V **Delta Service** Configuration 60K-3P-480V

Follow these steps to set up your 60K-3P-480V for Delta service.

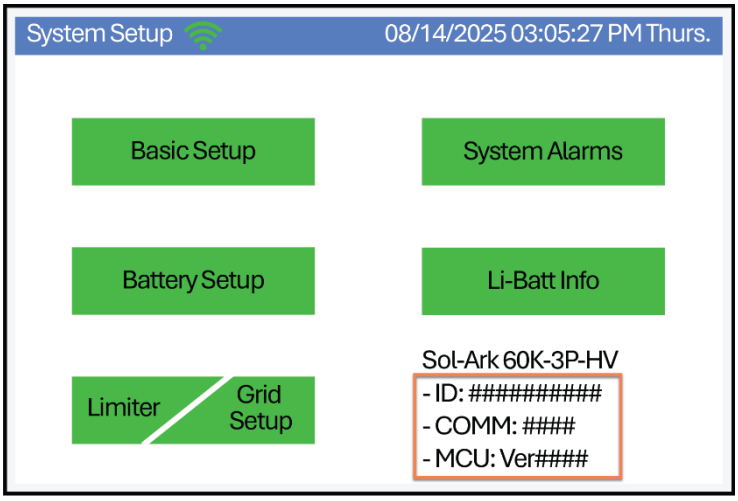
1. Take a photo of the serial numbers on the side of the system. The top ID is for the unique Sol-Ark inverter.

   The pictures show the inverter serial number on the left, and the Wi-Fi serial number on the right. These numbers are used for monitoring registration and both are unique to your system. For example:



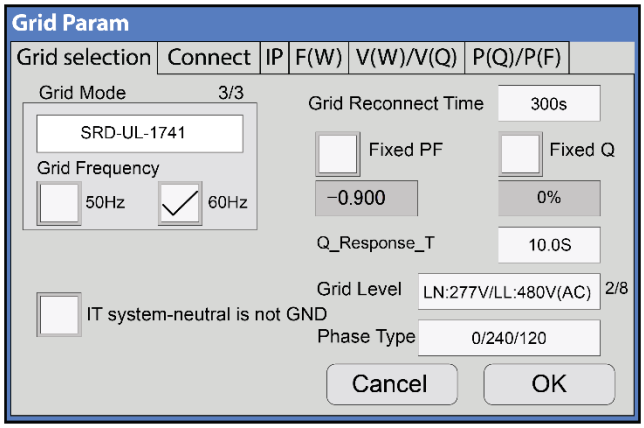


2. Take a photo of the settings screen to verify the date/time, Communication (Comm), and MCU versions. Software versions will be this version or later.

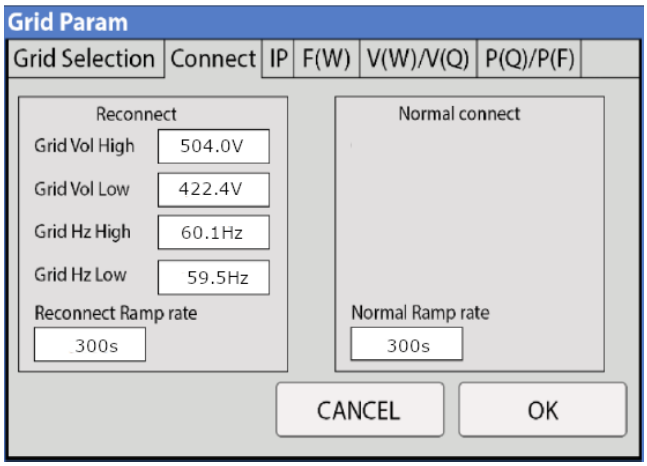


Firmware Versions
60K – MCU: v1057 or later
60K – COMM: 101F or later

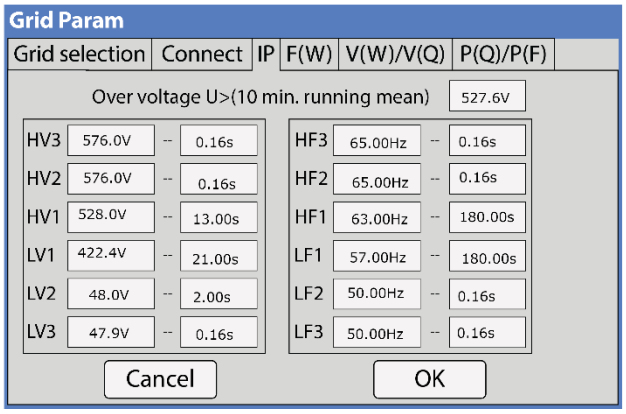
3. From the main screen of the inverter, go to **Grid Setup**. On the **Grid selection** tab, select the proper **Grid Mode** and set the **Fixed PF** (Power Factor). Take a photo.
   a. Grid Mode: **SRD-UL-1741**
   b. Power Factor: **-0.900**
   c. Grid reconnection time: **300s** (default)
   d. Grid Level: **LN: 277V/LL:480V(AC)** This is the required setting to connect to Delta Service.



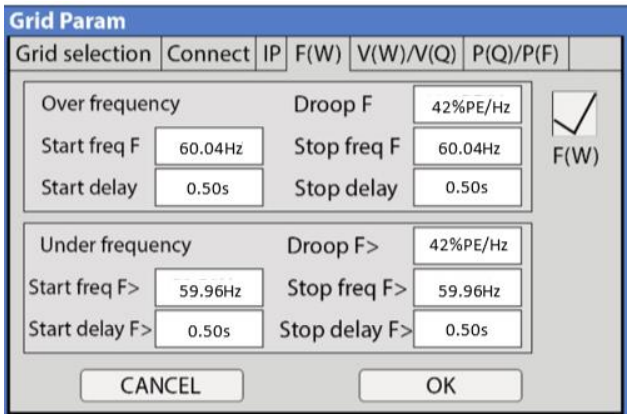
4. On the **Connect** tab, adjust the **Reconnect** and **Normal Connect** settings according to the grid type: **Nominal 480V**. Take a photo.



5. On the **IP** tab, program the settings for **Low/High Voltage Ride Through & Low/High Frequency Ride Through**. Match the settings below for the appropriate grid type (**Nominal 480V**). Take a photo.

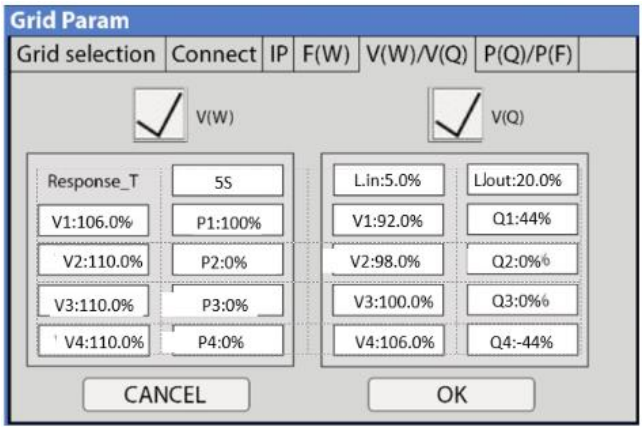


6. On the **F(W)** tab, program the frequency-watt settings to match the screen below. Take a photo.

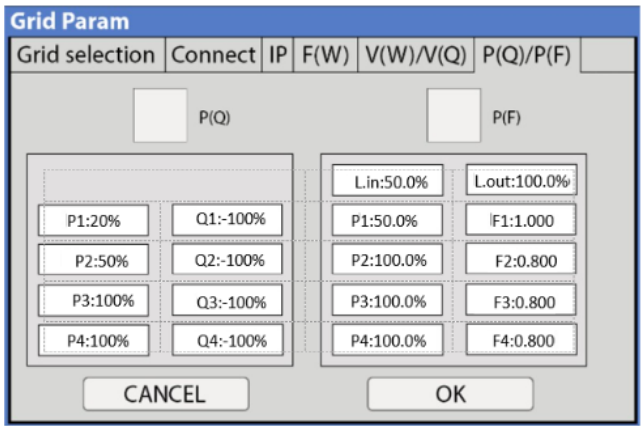


Note: The precision of the values shown in the **F(W)** screen is capped at two decimals.

7. On the **V(W)**/**V(Q)** (**Volt-Watt** and **Volt-Var**) tab, select the check boxes for **V(W)** and **V(Q)**. Take a photo.



8. I On the **P(Q)/P(F)** tab, if required, select the check box for **P(Q)** (Watt-Var). The "**Q**" value can be set to absorb or inject. Take a photo.



Document Revision History

Rev.	Date	Description of Changes
1.0	03/06/2024	Document Created
1.1	10/01/2024	Changed Parameters to L-N
1.2	07/17/2026	Revised for new GUI Screens; removed Limiter settings
2.0	08/05/2026	Added instructions for 480V_{AC} Delta Service Configuration