HECO Compliance Verification for Sol-Ark 60K-3P in 277V_{AC}/480V_{AC} Service Configuration

Introduction

In addition to normal Sol-Ark setup requirements (day/time, battery size, battery voltages, Grid mode: Sell or limited load, TOU, and others), this document shows the HECO grid parameters that need to be changed during the inverter commissioning phase to comply with HECO regulations.

Scope

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

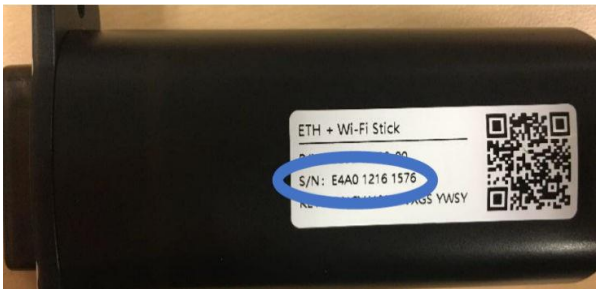
> ⚠ **CAUTION:** Consult with HECO to verify any settings before changing the interconnection parameters shown.

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. Please visit sol-ark.com for the latest information.

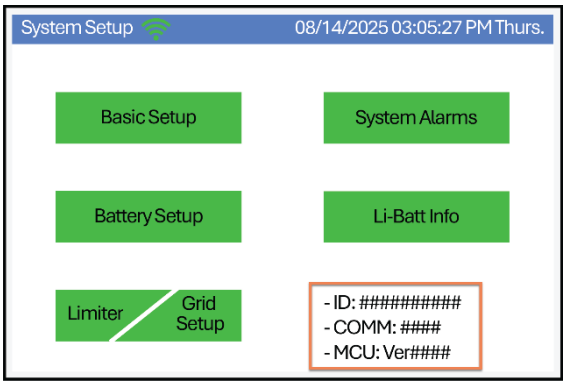
Instructions

1. Take a photo of the serial numbers on the side of the system. The top ID is for the unique Sol-Ark computer. The pictures below show the inverter serial number (on the left) and the WIFI serial number (on the right). These numbers are used for monitoring registration. They are both unique to your system. Example below:





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



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

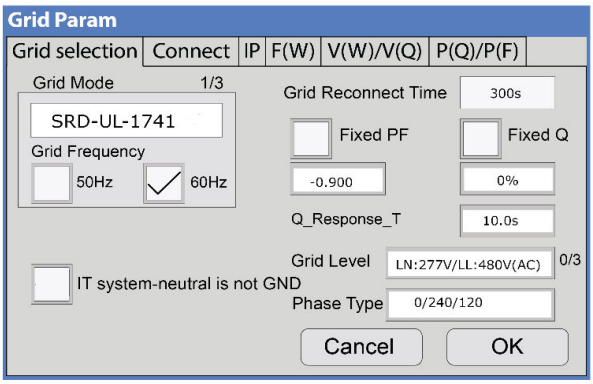
3. Take a photo of the **Grid selection** (found under **Grid Setup**) where you must select the proper **Grid Mode** and set the Constant Power Factor [**Power Factor** in our GUI].

   a. Set Grid Mode to **SRD-UL-1741**

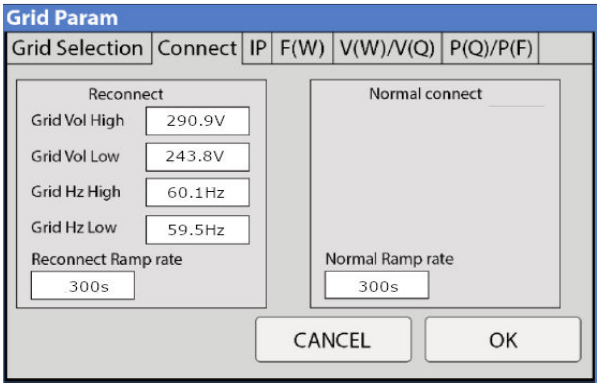
   b. Power Factor = **-0.900**

   c. Grid reconnection time = **300s** (default)

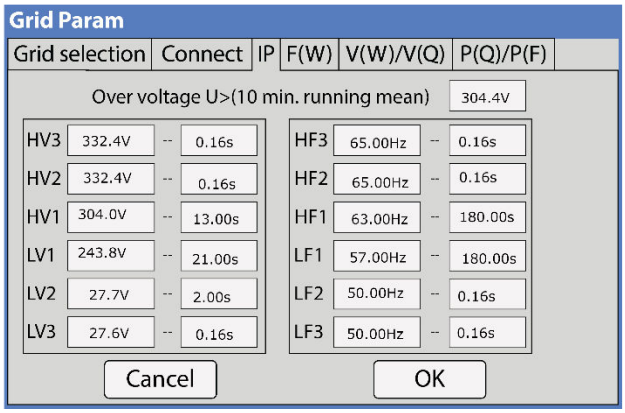
   d. Select LN: 277V/LL:480V(AC)



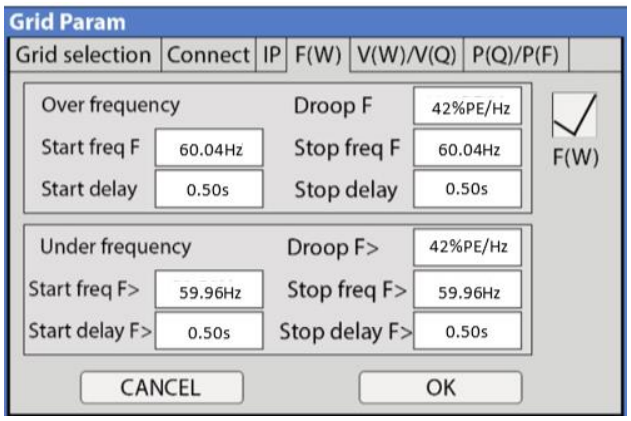
4. Under the **Connect** tab, adjust the **Reconnect** and **Normal Connect** settings according to the grid type (277/480V). Take a photo.



5. Program the proper **Low/High Voltage Ride Through & Low/High Frequency Ride Through** in the **IP** screen. Make your settings match the picture below corresponding to the appropriate grid type (277/480V). Take a photo.

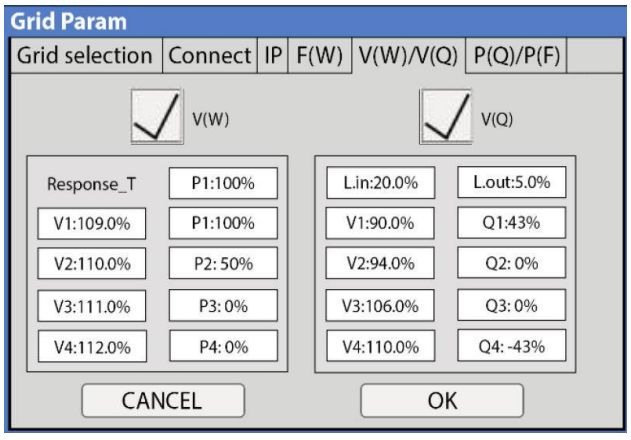


6. Program **F(W)** - Frequency-Watt to match the screen below. Take a photo.

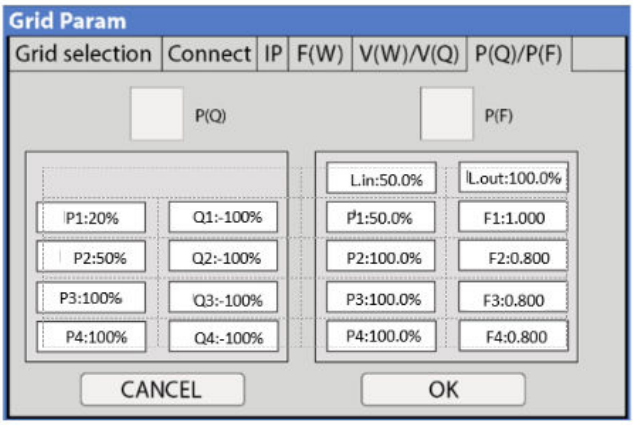


Note: The precision of the values shown in the **F(W)** screen is capped at two decimals.

7. Take a picture of the **Volt-Watt** and **Volt-Var V(W)/V(Q)** screen where **V(W)** and **V(Q)** are both checked.



8. If **Watt-Var** or **P(Q)** must be enabled, it can be found under the **P(Q)/P(F)** tab. The "**Q**" value can be set to absorb or inject.



Document Revision History

Rev.	Date	Description of Changes
1	03/06/2024	Document Created
2	10/01/2024	Reformat and Changed Parameters To L-N
3	07/17/2026	Revised for New GUI Screens; Removed Limiter Settings