

Solis Standard Operating Procedure

S6EH3P-50K- Generator Set up

GEN Port version 1.0



Overview

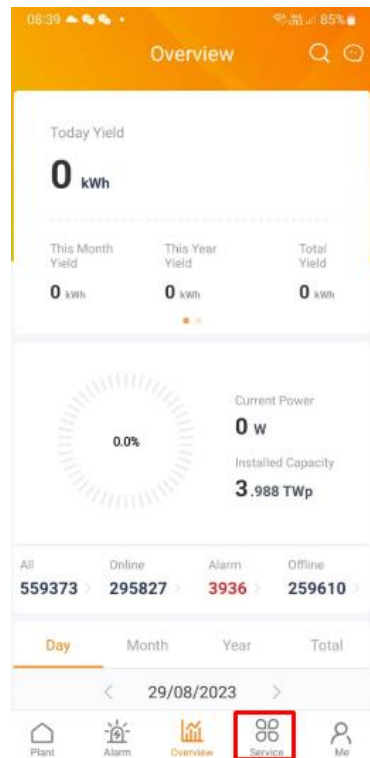
- 1- logging into the inverter locally
- 2- Generator Set up.
- 3- General Generator control diagram
- 4- General Generator wiring schematic to the S6 3P Hybrid inverter



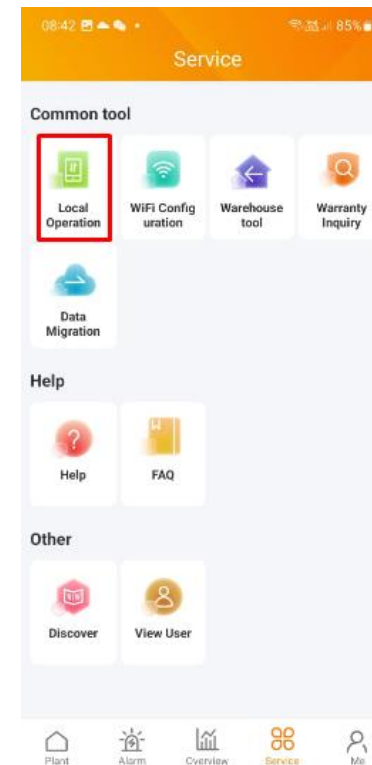
Method

Step 1.1:

Log into the Solis cloud then click on the “Services” icon below.



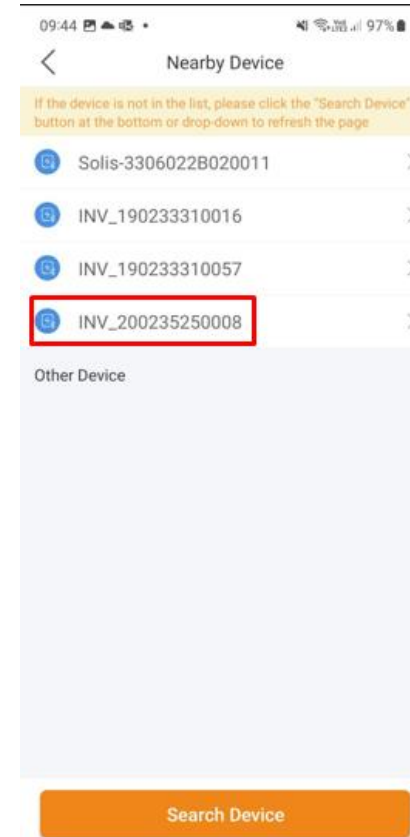
Step 1.2: Select Local Operation.



Step 1.5: Select Connect With Bluetooth



Step 4: Select the inverter by serial number



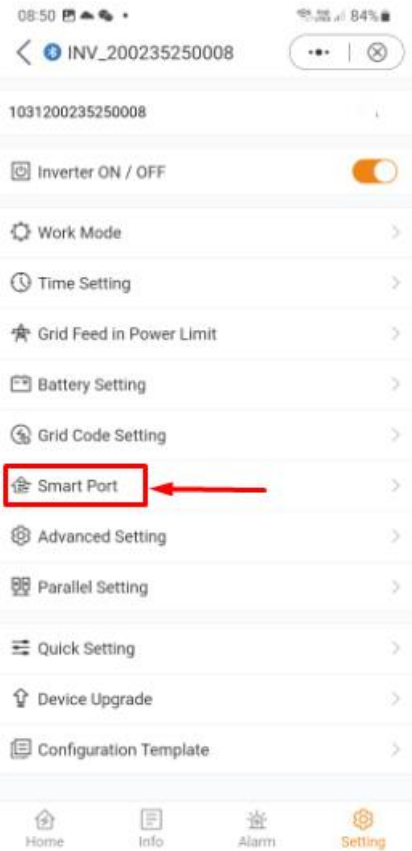
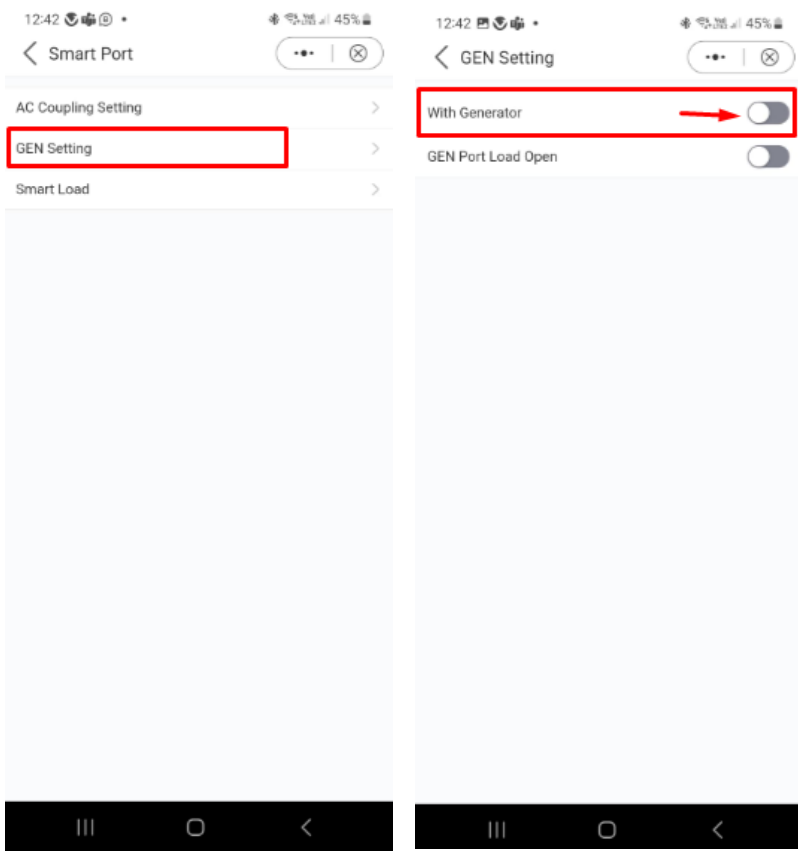


Step 1.6: log into the inverter (First time user must create a password)

The screenshot shows a mobile application interface for "Control Verification". At the top, the status bar displays the time 11:31, signal strength, Wi-Fi, and 96% battery. The app header includes a back arrow, the text "Control Verification", and a close button. Below the header, the device ID "1031190233310016" is shown with a blue information icon. The form contains three input fields: "Installer", "Input control password", and "Enter the password again", each with a clear button on the right. An orange "Set Password" button is located below the password fields. The bottom of the screen shows the standard Android navigation bar with three icons: a square, a circle, and a triangle.



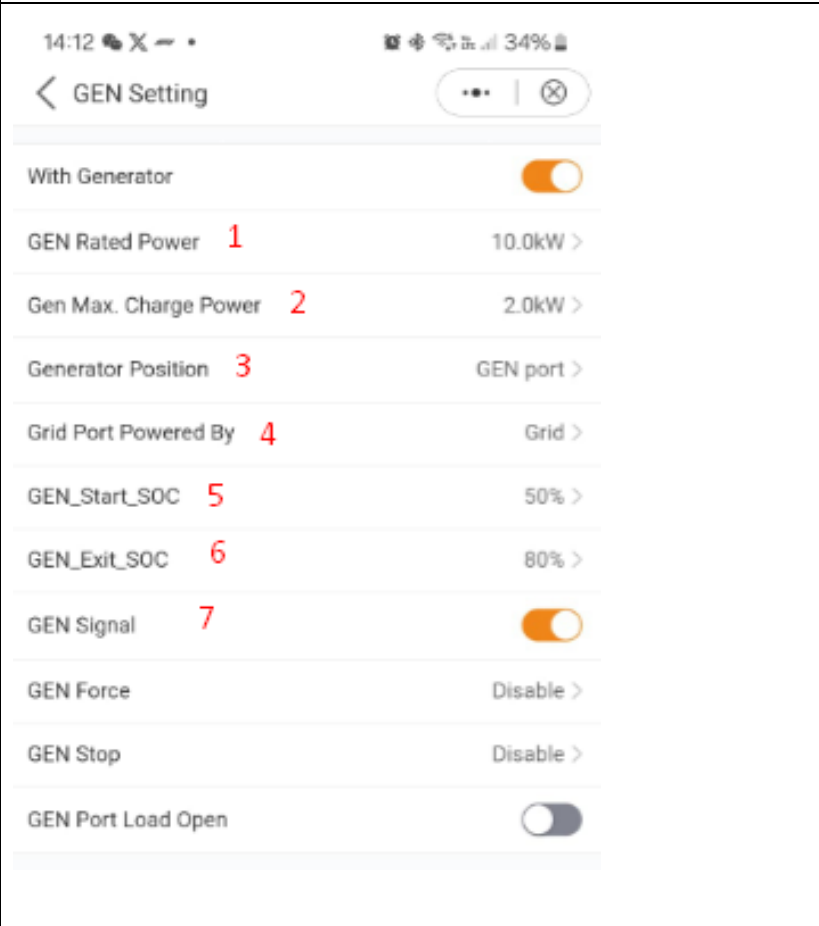
2. Generator Settings

Step 2.1: Select the Smart Port Settings to activate Generator selection	Step 2.2: Slide the “With Generator” slider on
 <p>08:50 INV_200235250008 84%</p> <ul style="list-style-type: none">1031200235250008Inverter ON / OFF <input checked="" type="checkbox"/>Work Mode >Time Setting >Grid Feed in Power Limit >Battery Setting >Grid Code Setting >Smart Port ←Advanced Setting >Parallel Setting >Quick Setting >Device Upgrade >Configuration Template > <p>Home Info Alarm Setting</p>	 <p>12:42 Smart Port 45%</p> <ul style="list-style-type: none">AC Coupling Setting >GEN SettingSmart Load > <p>12:42 GEN Setting 45%</p> <ul style="list-style-type: none">With Generator → <input checked="" type="checkbox"/>GEN Port Load Open <input type="checkbox"/> <p>Home Info Alarm Setting</p>

Take Note on the Ranges and Ensure your SOC percentage is 10% higher than your start Percentage.



Step 2.3: Select Gen Power setting to set the Gen rated power and the Gen Max Charge Power



Step 2.4: Set the GEN rated Power and Max Charge Power+

1. Enter the size of the generator that is being used.
2. Select the Max Charge power the Gen can charge the batteries.
3. Here you need to select where the Generator is coupled for example this Gen is coupled on the actual inverters Gen Port.
4. Generally this setting is left to default "Grid" when connecting the Generator to the GEN Port.
5. You need to set an SOC based on where you want the Gen to start.
6. Set the Exit SOC for the Gen to stop.
7. The Gen Signal needs to be on if you are using the auto start function. Refer to image

NOTE: Do not exceed the rated power of the Generator as could potentially cause an overload when heavy loads are being drawn and running the Gen to charge batteries.

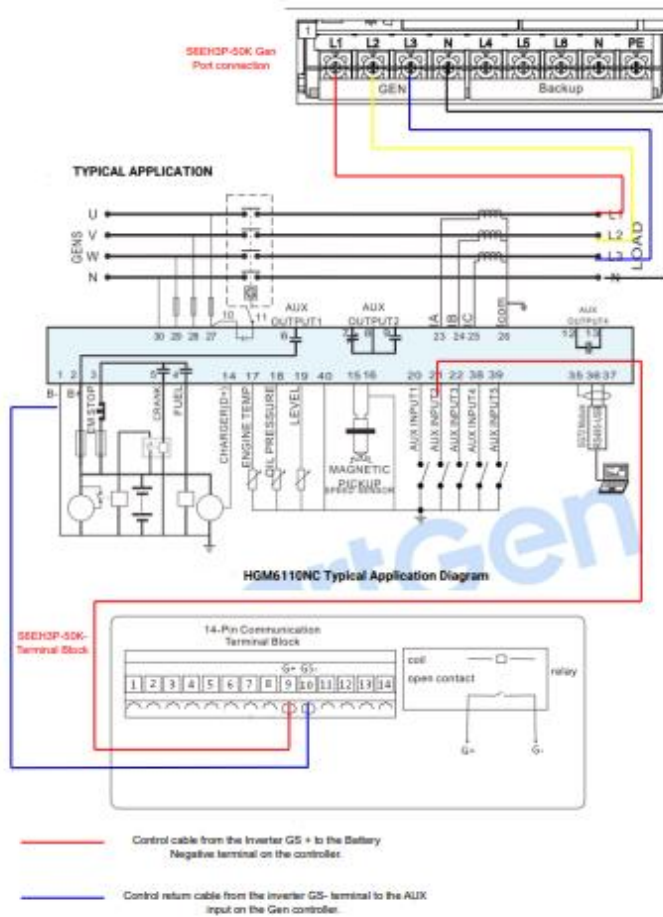


3. Generator Control Diagram

The generator start stop control is all based on the Gen ATS controller.

NOTE: it is recommended you get into contact with the Generator installer or maintenance technicians in the wiring of the GEN control.

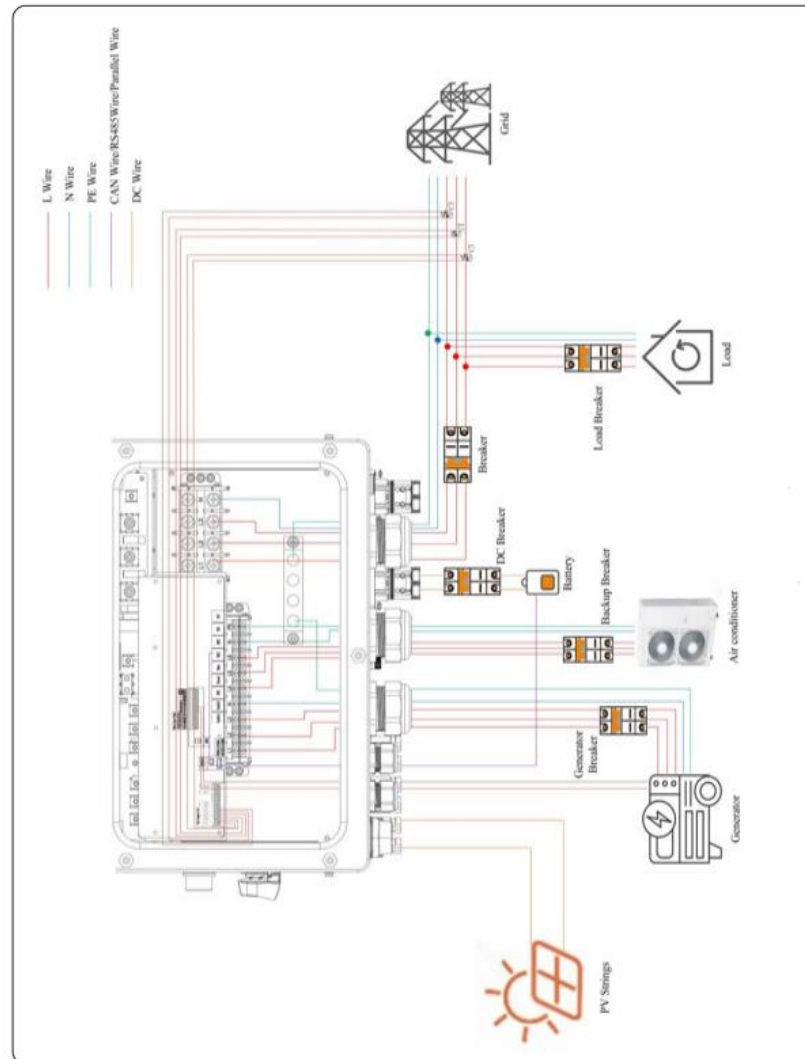
GEN Port connection schematic





3. Generator wiring schematic to the S6-3P Hybrid inverter onto the GEN Port

Diesel Generator Wiring

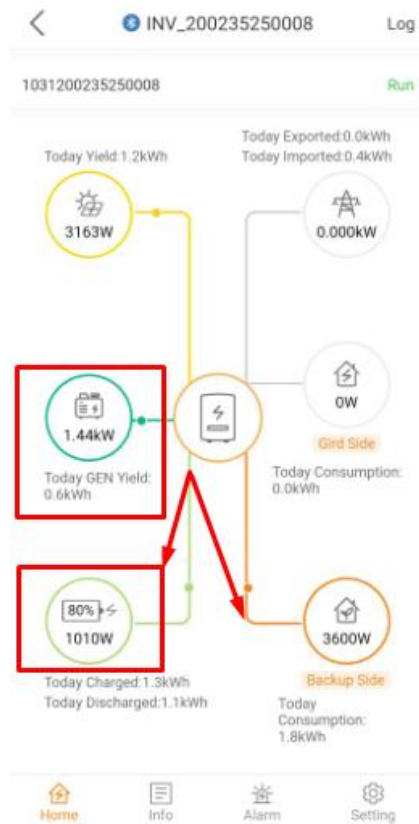




Generator Test Examples

Gen Charging the battery at 1KW as instructed
In Step 2.4 and supplying the load with the remaining
500W at max power rated of 1.5KW

#Gen Stop as instructed at 85%



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