

# Sungrow SBR/SBH HV Battery Series Extension Manual

**Disclaimer**

The material in this document has been prepared by Sungrow Australia Group Pty. Ltd. ABN 76 168 258 679 and is intended as a guideline to assist solar installers for troubleshooting. It is not a statement or advice on any of the Electrical or Solar Industry standards or guidelines. Please observe all OH&S regulations when working on Sungrow equipment.

Before adding new modules, the existing modules must be charged/discharged to the same SOC level as the new modules.

**Step 1 – Update all firmware’s.**

This includes the Winet dongle, inverter, and battery firmware. If this is done through the cloud, the latest firmware will be uploaded, and it will help avoid any issues.

**Step 2 – Disable any 3<sup>rd</sup> party controllers or VPP.**

Third party controllers and VPP can have an effect, as they may not allow commands to be sent to the inverter, or limit the effectiveness of the following steps.

**Step 3 – Estimate new module SOC**

To make this process easier, it is preferred if a similar build date is present on the additional modules. If there are different build dates to be added, they need to be treated independently. To check the new module serial number, the manufacture date is shown in the middle.

**SBR**



<b>EM</b>	<b>134</b>	<b>D</b>	<b>2</b>	<b>21</b>	<b>8</b>	<b>20</b>	<b>0289</b>	<b>DA</b>
				Year	Month	Day		

SBH



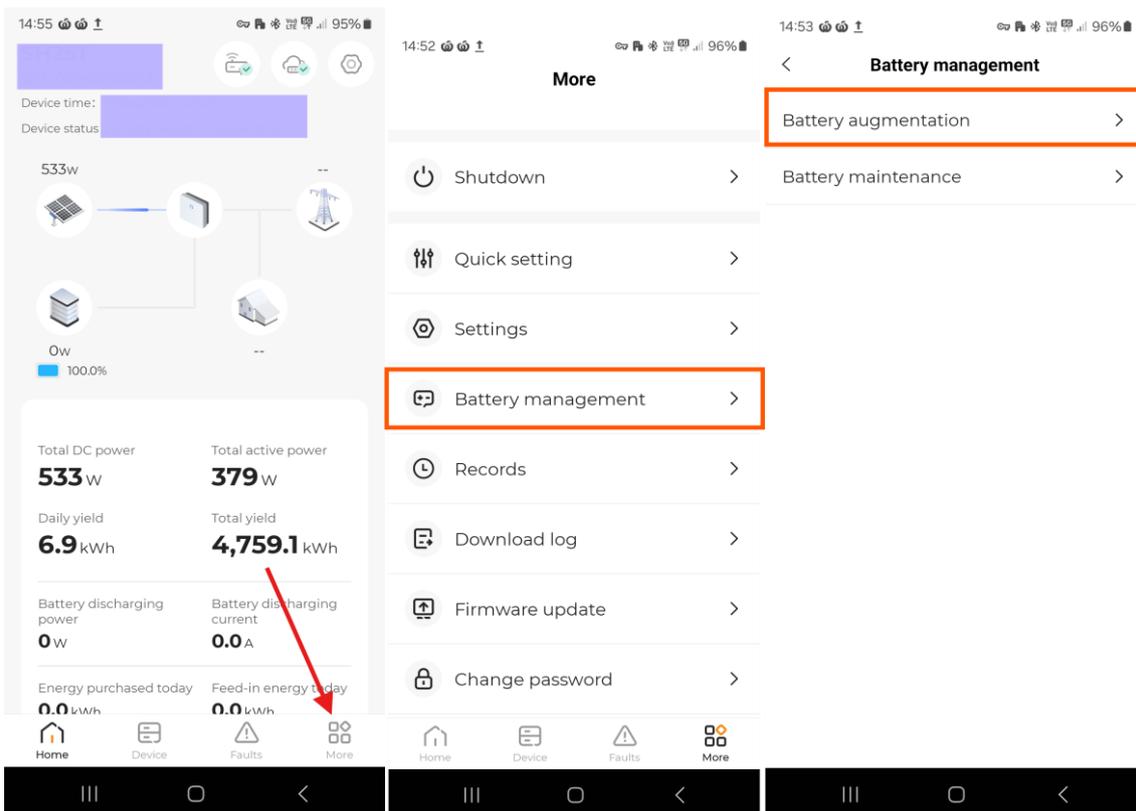
<b>P</b>	<b>0050</b>	<b>J</b>	<b>7</b>	<b>24</b>	<b>8</b>	<b>17</b>	<b>0195</b>	<b>JJ</b>
				Year	Month	Day		

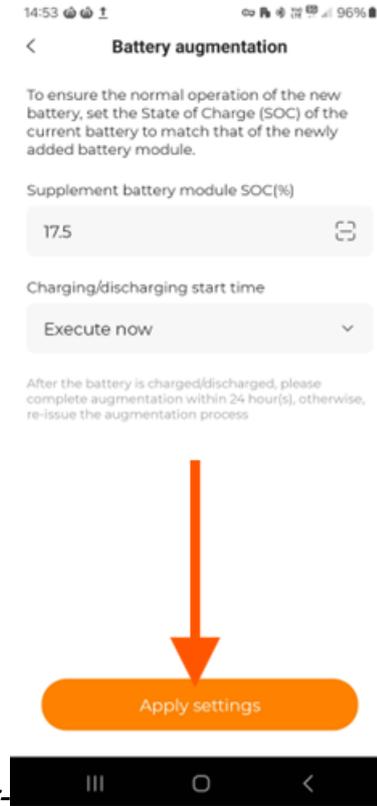
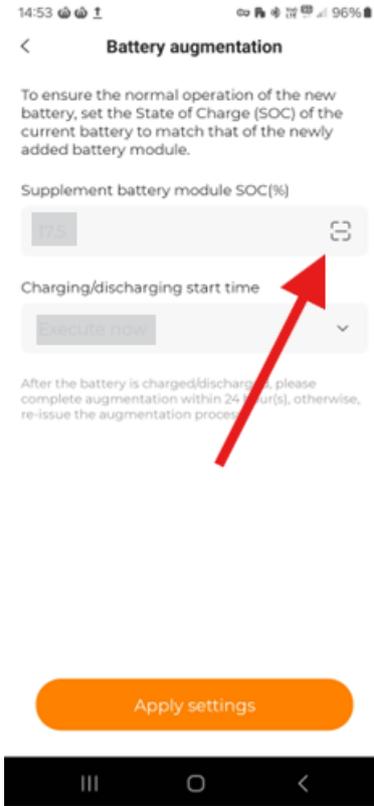
\*If the month represents by letter A/B/C, it equals Oct./Nov./Dec., respectively

**Step 4 – Bring existing modules to same SOC**

The following steps are based on the NEW/ADDITIONAL modules.

**Local Access**

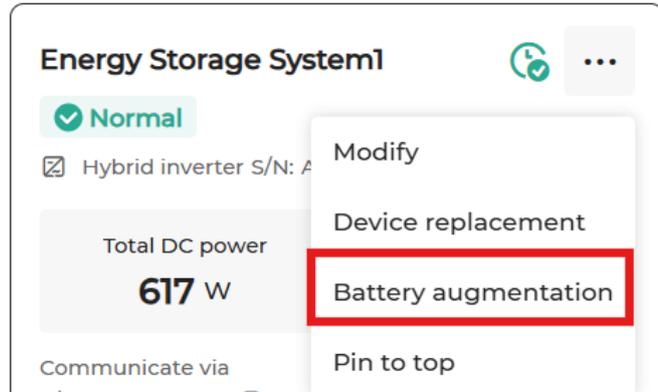
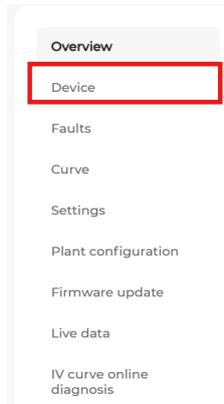




-scan new serial number-

### From ISolar Cloud

*\*first, log into the plant from installer account\**



#### Battery augmentation ✕

**i** To ensure the normal operation of the new battery, set the State of Charge (SOC) of the current battery to match that of the newly added battery module. ✕

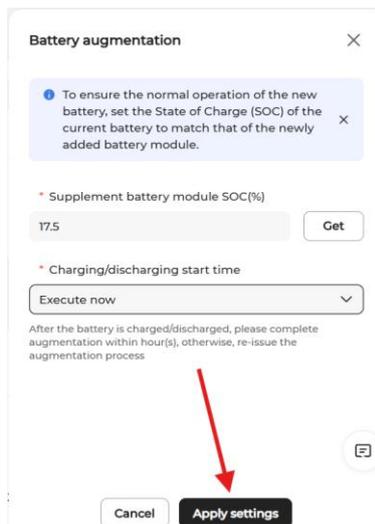
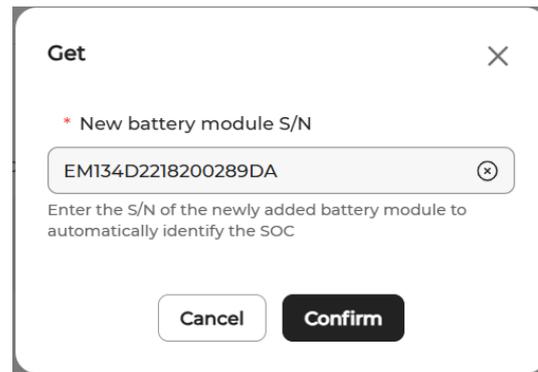
\* Supplement battery module SOC(%)

Please enter  Get

\* Charging/discharging start time

Please select  v

After the battery is charged/discharged, please complete augmentation within hour(s), otherwise, re-issue the augmentation process



The inverter will then charge/discharge the battery to the set capacity and then it will stop. The additional batteries can then be added, and then turned back on.

If you decide to not complete the addition at this stage, it is required to manually perform a restart on the battery.

It is recommended to complete the addition within 24 hours.

### **Caution**

Maximum battery stacks do apply to different models of inverter. Please refer to the product documentation for maximum charge/discharge rates.

This manual applies to on-grid system only. For off-grid system please manually charging and discharging the existing module by turn on/off solar or load.

If the issue persists after following above procedures, please take photos testing on site and contact Sungrow Service Department on 1800 786 476 or email to [service@sungrowpower.com.au](mailto:service@sungrowpower.com.au)