

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 – Estimate new module SOC

1.1 Check the new module serial number, the manufacture date is shown in the middle.

SBR



EM	134	D	2	21	8	20	0289	DA
				Year	Month	Day		

SBH

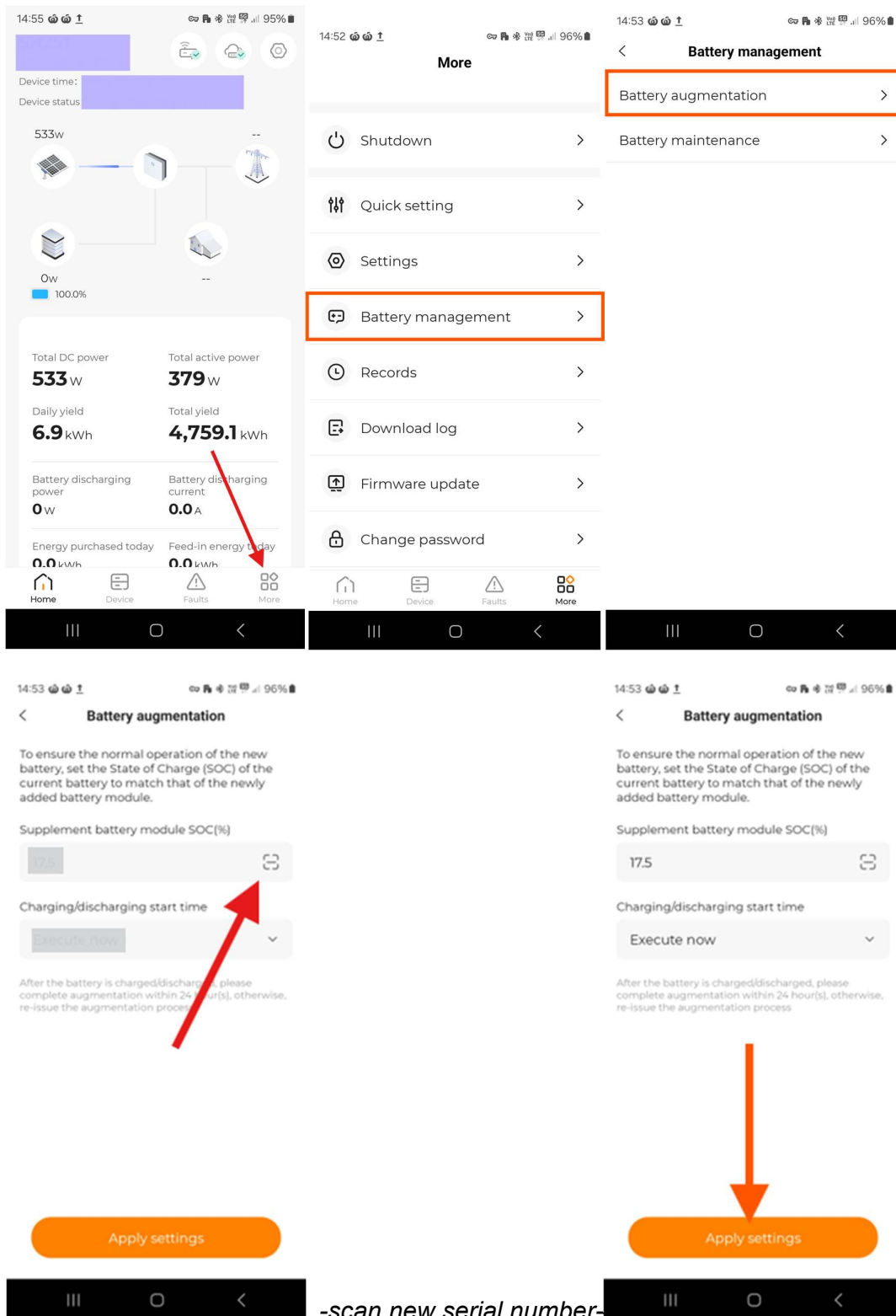


P	0050	J	7	24	8	17	0195	JJ
				Year	Month	Day		

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

Step 2 – Bring existing modules to same SOC

Local Access



-scan new serial number-

From ISolar Cloud

first, log into the plant from installer account

The screenshot shows the ISolar Cloud interface. On the left, the 'Device' menu is highlighted. On the right, the 'Energy Storage System1' page is shown with a 'Normal' status and a 'Total DC power' of 617 W. A dropdown menu is open, showing options: 'Modify', 'Device replacement', 'Battery augmentation' (highlighted), and 'Pin to top'.

Battery augmentation

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

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

Get

* New battery module S/N

Enter the S/N of the newly added battery module to automatically identify the SOC

Cancel **Confirm**

Battery augmentation

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(%)

Get

* Charging/discharging start time

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

Cancel **Apply settings**

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

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