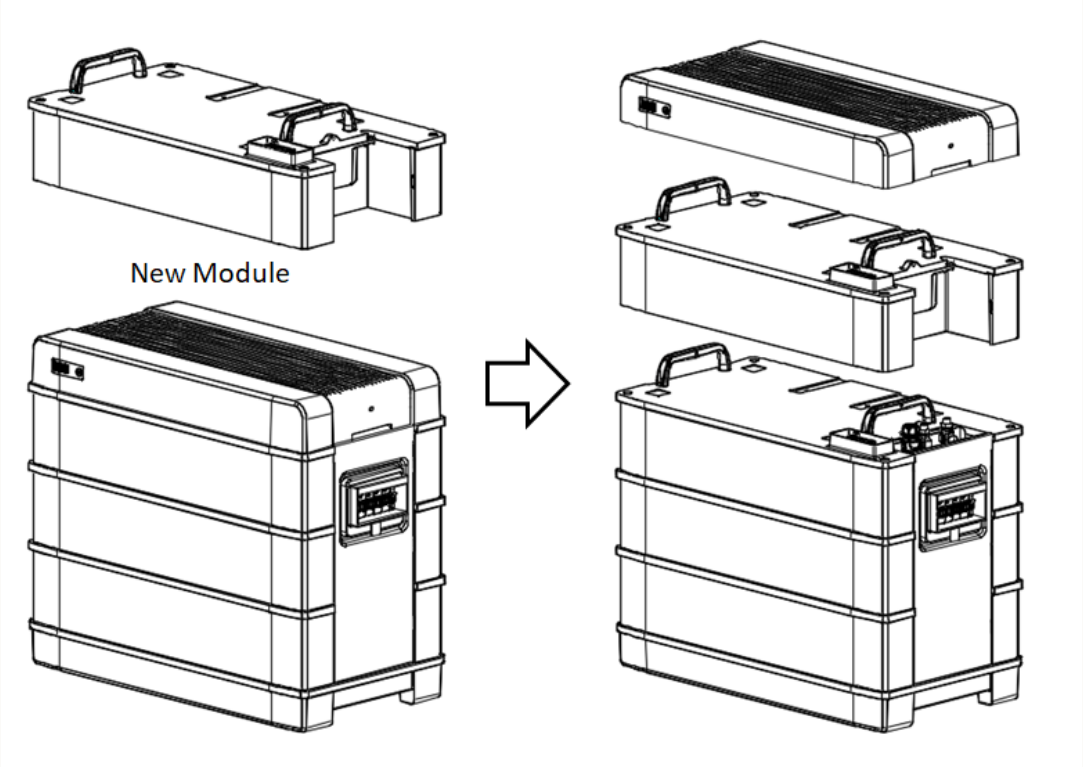
SUNGROW

让人人享用清洁电力
Clean power for all

SBR Battery Expansion in Series

Lecturer: Sungrow service Date: 2021-12-1

Capacity expansion in series → SOC should be the same between the old and new



Before installing a new battery module, charge and d ischarge the battery onsite to ensure that the SOC of the battery onsite is consistent with the new battery module delivered by the installer.

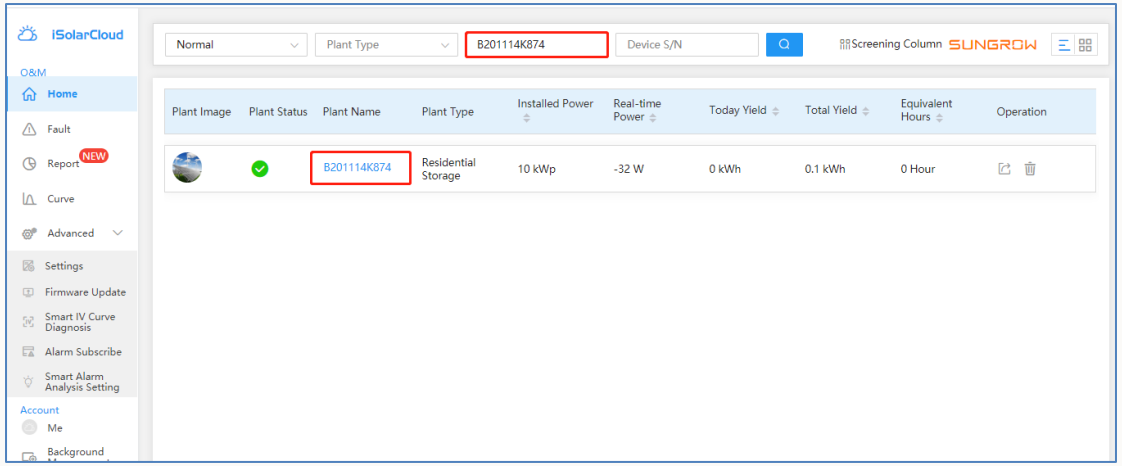
Since the inconsistent SOC of the battery affects the charge and discharge capacity of the entire battery g roup, so called buckets effect.

Our SBR battery has automatic equalization function, if the SOC difference is like 5% gap, the battery mod ule can automatically equalize SOC gradually within several days.

Select the correct energy storage station

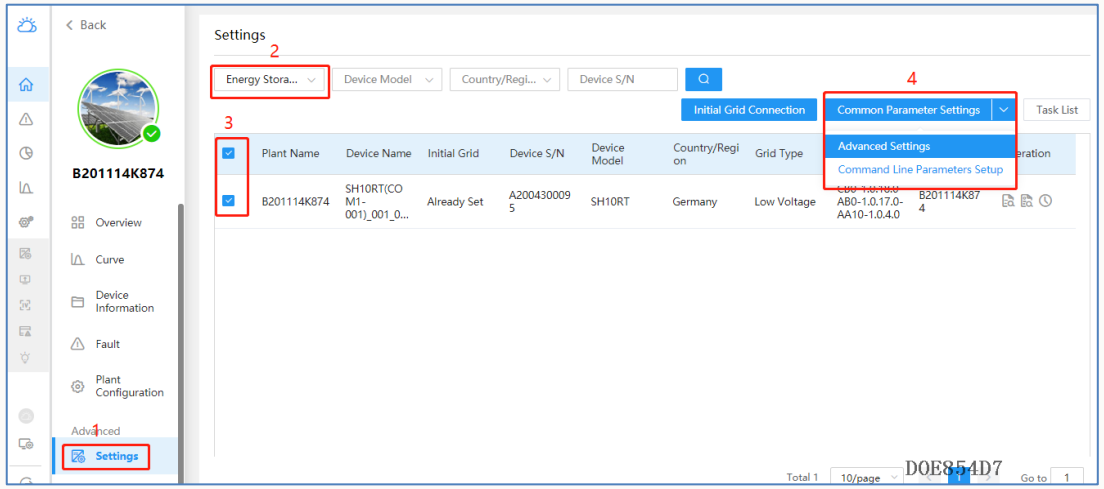
Open the browser to enter the isolarcloud

Log in using the corresponding O&M account, and select the onsite storage station that requires capacity expansion based on the power station name or device S/N

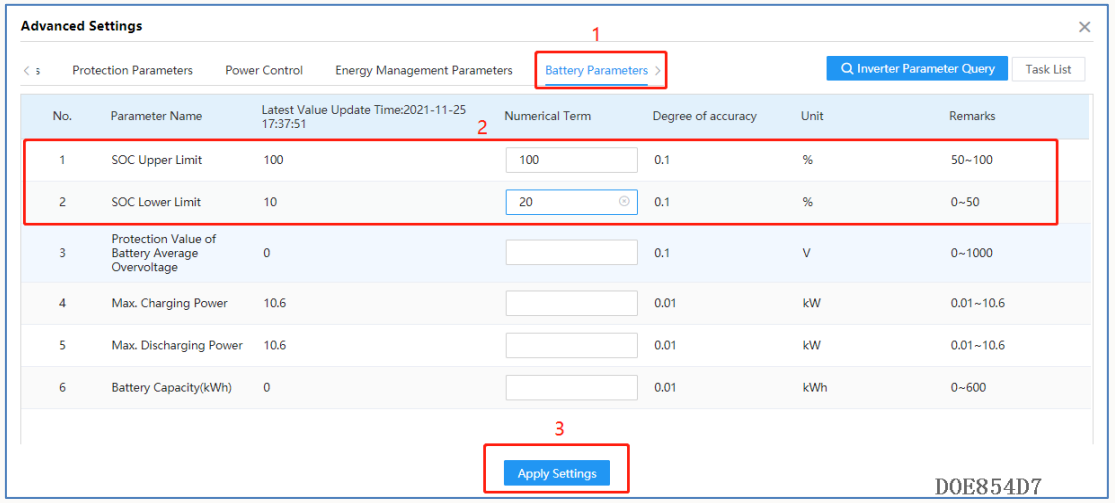


Set the upper and lower limit SOC

1. Settings 2. Select the inverter type. 3. Select the power station. 4. Select Advanced Settings

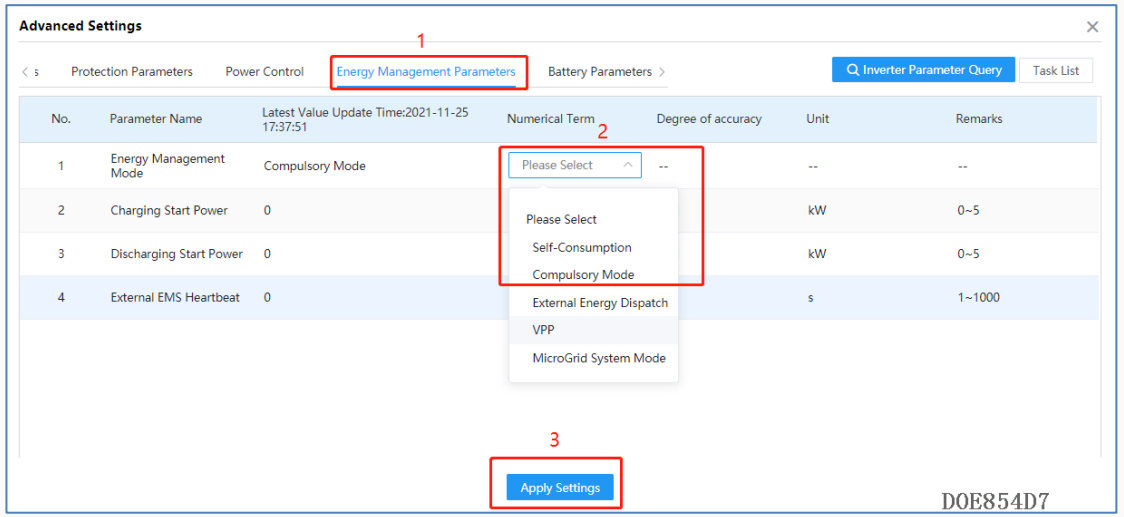


Set upper and lower limit SOC parameters based on requirements



Charge or discharge to the SOC the same as **the new module**

Set the forced charge/discharge power as required



Time	Remain Estimate SOC
< 3 month	24.0%
3~4 month	23.0%
4~5 month	22.0%
5~6 month	21.0%
6~7 month	20.5%
7~8 month	20.0%
8~9 month	19.5%

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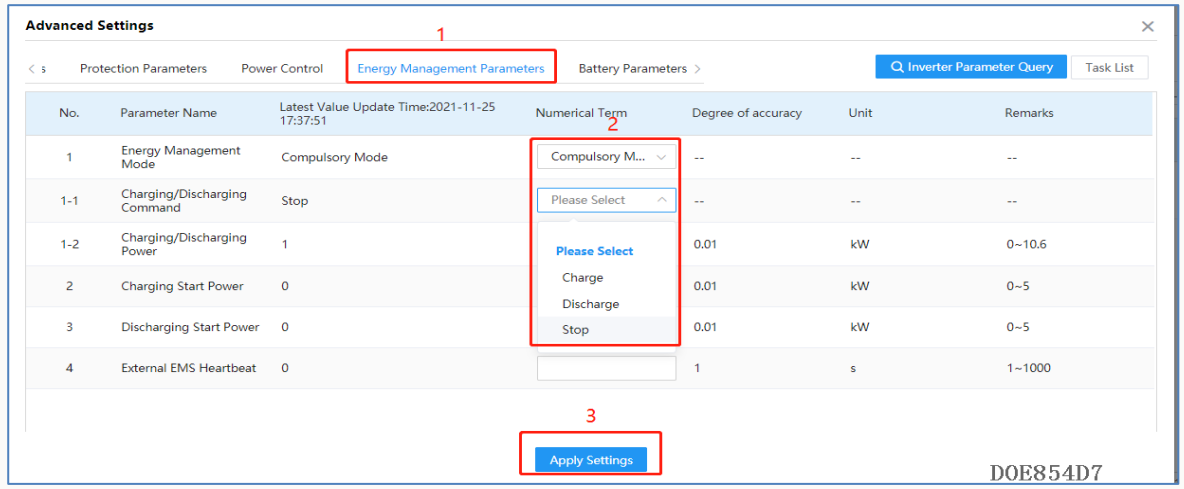
				year	month	day			

Example: Assume that the SOC of the new battery module is 20%, and the battery on user site is 70%.

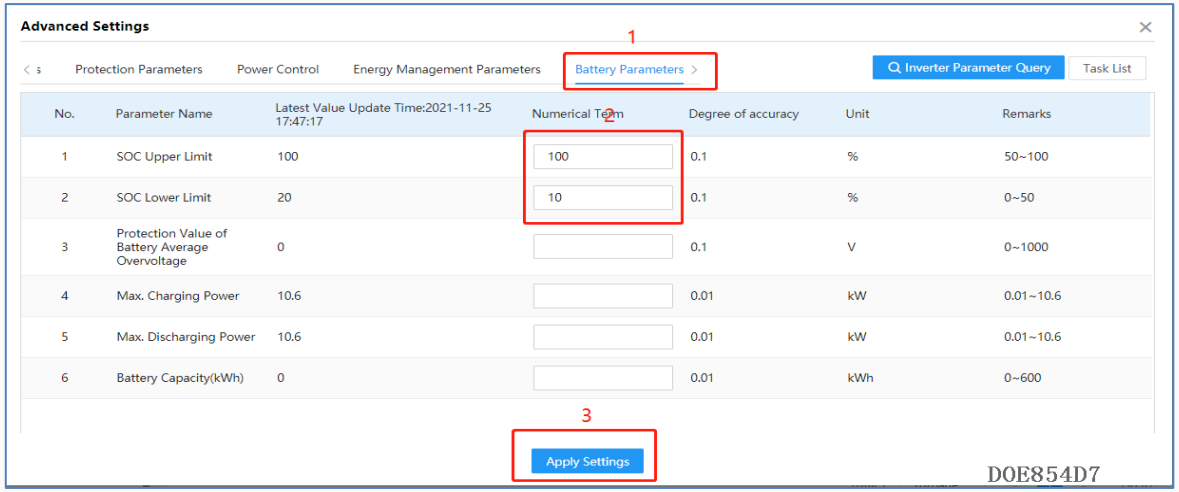
1. Set the upper limit to 100% and the lower limit to 20%, enter the forced mode.
2. *Select forced charge first and issue the command. After charging to 100%, select forced discharge and issue the command. the battery will automatically discharge to 20% and stop.
3. Then the battery SOC on user site is the same as SOC of the new battery module 20%, so the installer can install the new battery module.

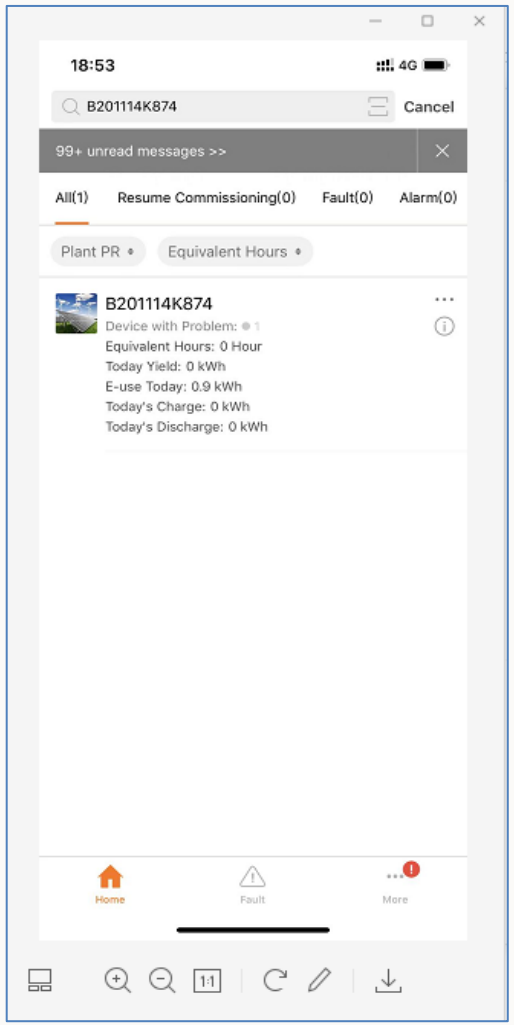
**A calibration is performed to improve the accuracy of SOC, but it takes some time; Alternatively, the calibration step can be omitted and the target SOC value can be directly set and charged or discharged to the target SOC.*

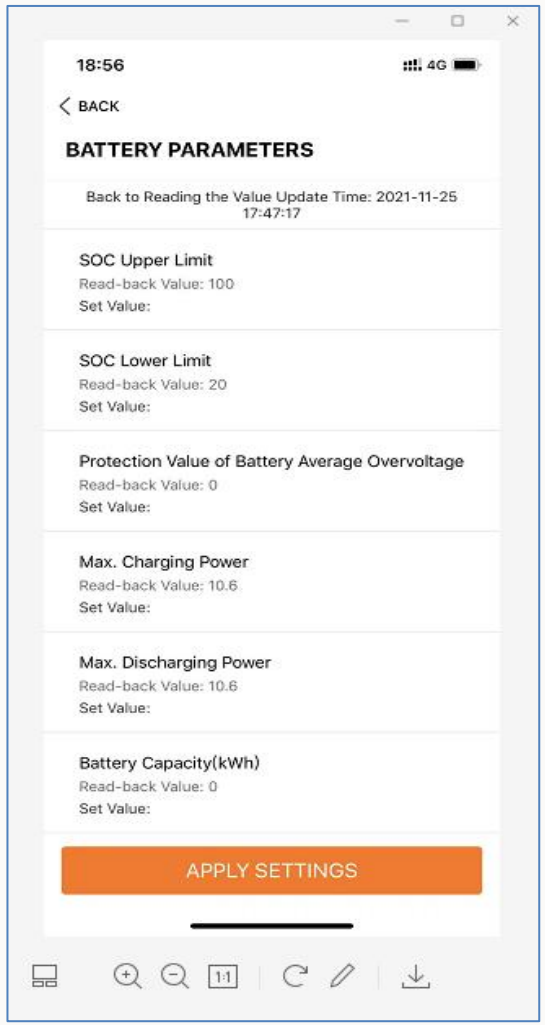
Stop the forced charge/discharge. Select stop for the charge/discharge command.

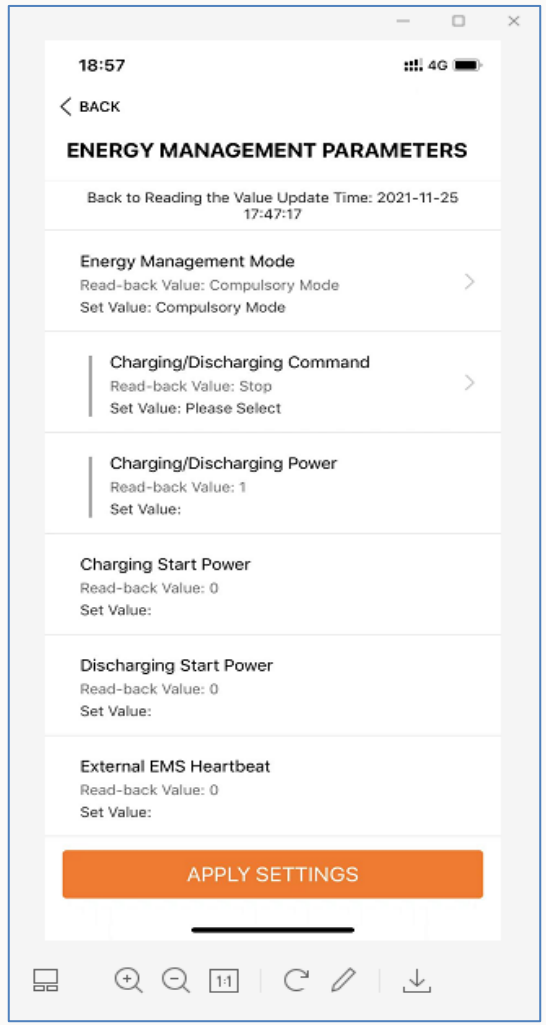


Reset SOC upper and lower limits to the original default values (SOC upper limit 100%, SOC lower limit 10%)









THANK YOU!