

TECHNICAL BULLETIN

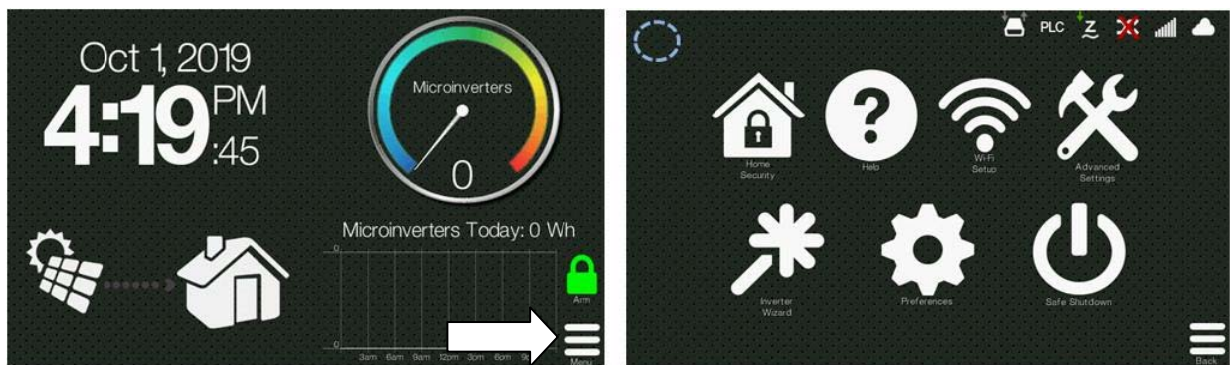
Power Limiting of Microinverters

Date: 10/1/2019

Chilicon Power trunk cable supports branch circuits of up to 24A. For high wattage PV modules, this allows branch sizing of up to 16 modules (14 for 208V). However, for modules under 340W, the cable will support larger branch circuits of 20 modules for 240V systems (18 for 208V).

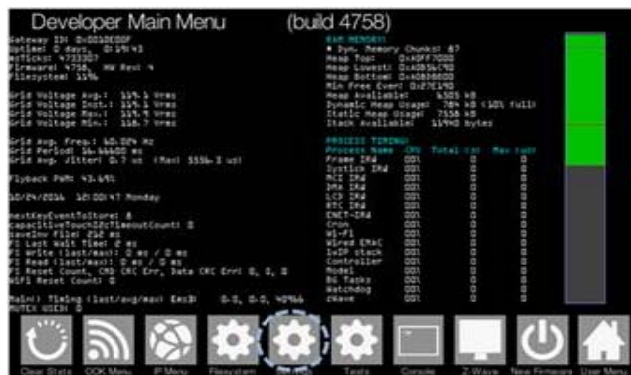
While the current generated by the larger branch circuits with the lower wattage panels will never actually exceed 24A, most AHJs want additional assurance of this limit. Chilicon Power provides for this assurance by offering the ability to firmware limit the maximum power of the system's microinverters through our CP-100 gateway. The simple process is detailed below:

- 1) On the display page, touch the menu button at the lower right corner. On the following screen is a "hidden" button located at the upper left which activates the "Developer Main Menu" screen.

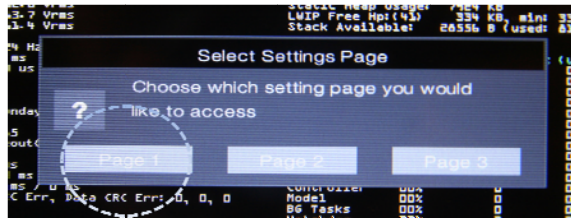


(if prompted for a password, type in "revolution")

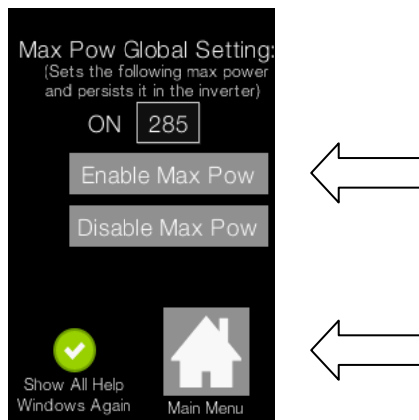
- 2) On this screen, select the settings button (fifth button from the left).



3) Select the option for Page 1.



4) Select the “Enable Max Power” button on the right side of the screen. You will then be able to enter the appropriate value in the box above. For a 240V system, adjust the value to 576W (553W for a 208V system).



Finally, select the “Home” icon to return to the main screen. The gateway will now load this current limit to each of the bound microinverters.

If additional, externally visible assurance is required by the AHJ of this process, Chilicon Power can provide decals to our customers that state ‘Current limited to...’ which can be affixed to the case of each of the deployed microinverters.

Please contact Chilicon Power to facilitate this request.

