

Sungrow Deutschland GmbH

Balanstr. 59 | 81541 München München, 07-07-2023

Manufacturer Declaration MPP Current

To whom it may concern,

/ SH5.0-10RT Series

SH5.0-10RT V112 series Max. PV input current can reach 13.5A per string:

	SH5.0RT	SH6.0RT	SH8.0RT	SHIORT
Max. PV input current	27A(13.5A/13.5A)	27A(13.5A/13.5A)	27A(13.5A/13.5A)	40.5A(13.5A/27A
Short-circuit current of PV input	32A(16A/16A)	32A(16A/16A)	32A(16A/16A)	48A(16A/32A)

In case the PV module's MPP current exceeds the maximum input current of the respective MPPT, the inverter will self-limit the current to the maximum usable value. A yield reduction has to be expected.

Such design will not void Sungrow product warranty for as long as:

• Under all circumstances, the PV module's short circuit current must be below the maximum permissible short circuit current at the inverter's MPPT. And keep in mind higher current by bifacial panels, by white cloud reflection, by hot cells, by plus-sorting of PV panel, and panel flasher tolerance at STC testing.

Additionally,

- The maximum open circuit voltage even at the lowest expected temperatures must be • always respected.
- The DC/AC ratio must not exceed the allowed value for each inverter defined by Sungrow. • It could be found in https://design.isolarcloud.com/.

Please note, it is important to always install the latest available firmware-version of the corresponding inverter via iSolarCloud.

Kind regards Sungrow Deutschland GmbH



Lucas Lin

Solution Engineer,System Solution Dpt

Geschäftsführer: Hui Li Ust-IdNr.: DE279065331 HRB No.194275 Sitz: München



ICBC (INDUSTRIAL AND COMMERCIAL BANK OF CHINA) FRANKFURT BRANCH 501 102 00 BLZ: Konto-Nr.: 90000 92606

Sungrow Deutschland GmbH Balanstr. 59 81541 München Tel.: +49-89-324 914 789 Fax: +49-89-324 914 777

Densus pv5 | We deliver. You install. The sun does all the rest. | Data sheet provided for you @ www.densys-pv5.de