

## 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	SH10RT
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**



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