

RCD Information for SolarEdge Inverters

The SolarEdge inverters listed below incorporate a certified internal RCD (Residual Current Device) to protect against possible electrocution and fire hazard in case of a malfunction in the PV array, cables or inverter.

There are 2 trip thresholds for the RCD as required for certification (DIN VDE 0126-1-1). The default value for electrocution protection is 30mA, and for slow rising current, it is 300mA.

In addition, these inverters by construction cannot feed DC fault current into the installation, as required by IEC 60364-7-712:2002.

This declaration applied to the following SolarEdge inverters:

Single phase: SE2200, SE3000, SE3500, SE4000, SE4000-16A, SE5000, SE6000, SE2200H, SE3000H, SE3500H, SE3680H, SE4000H, SE5000H, SE6000H, SE1000M, SE1500M, SE2000M

Three phase: SE4k, SE5k, SE7k, SE8k, SE9k, SE10k, SE12.5k, SE15k, SE16k, SE17k, SE20K, SE25K, SE27.6K, SE30K, SE33.3K, SE40K, SE50K, SE55K, SE66.6K, SE82.8K, SE90K, SE100K, SE120K

RCD Selection guide for SolarEdge Inverters is available in the following link
https://www.solaredge.com/sites/default/files/application_note_ground_fault_rcd.pdf

Herzeliya, Israel

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Place

Date


Aviad Yeshaya, Director of Certification