

## 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.

In case an additional RCD is required, SolarEdge recommends the use of a type-A RCD. The recommended RCD value is 100mA or 300mA unless a lower value is required by the specific local electric codes. When required by local regulations the use of an RCD type B is permitted, however it is not required by SolarEdge and is not necessary in order to meet IEC 60364-7-712:2002 requirements.

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, SE25K, SE27.6K, SE33.3K, SE50K, SE55K, SE66.6K, SE82.8K, SE100K

Herzeliya, Israel

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Place

Date

סולראדג' טכנולוגיות בע"מ  
513865329-פ.ח.  
Meir Adest, VP Core Technologies