

Sungrow Transformerless PV Inverter NPR 5310 Declaration

We hereby declare that the transformerless PV inverter listed below comply with NPR 5310 Dutch practice guideline and NEN 1010.

The inverters feature integrated residual-current monitoring units (RCMU) and provide redundant relay protection for separation when inverter detects ground fault or islanding.

The inverters are further equipped with a PV array insulation resistance detection circuit, which verifies that the insulation resistance exceeds 100 k Ω (600V PV system) for single phase inverter and 170 k Ω (1000V PV system) and 250 k Ω (1500V PV system) for three phase inverters (resulting in a residual current of less than 6 mA) before connecting to the power grid.

Inverter Type	Model
Single Phase	SGxK-S
Single Phase	SGxK-D
Three Phase	SGxKTL-MT
Three Phase	SGxKTL-M
Three Phase	SGxCX



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