

Manufacturer's Declaration for Inverter integrated NA-Protection (NA-Schutz)

Manufacturer's declaration on the use of the inverter internal AC coupling relays as an integrated coupling switch in connection with a central Power and Plant protection device (NA protection) in accordance with the requirements of VDE-AR-N 4105:2018-11 and VDE-AR-N 4110.

Huawei Technologies Co., Ltd. hereby confirms that the inverter internal AC coupling relays are capable of performing the function of an integrated coupling switch in conjunction with a central NA protection in accordance with the requirements of VDE-AR-N 4105:2018-11 and VDE-AR-N 4110:2018-11. This applies to below listed Huawei inverter models.

The combination of a central NA protection along with integrated AC coupling relays fulfils the requirements for tie breakers as well as for the function control according to VDE-AR-N 4105:2018-11 and/or VDE-AR-N 4110:2018-11.

As such, a single fault does not lead to loss of the protective function. A functional test of the inverter integrated AC coupling relays is performed each time prior to grid connection. Thus a connection of the inverter with faulty AC coupling relay(s) is impossible.

- The listed inverters comply with VDE-AR-N 4105:2018-11 requirements.
- The grid setting parameters as well as the (total) grid disconnection times are within the required specifications.
- The anti-island detection has been proven by third party testing body.



Huawei Technologies Co., Ltd. hereby confirms conformity to VDE-AR-N 4105:2018-11 for following inverter models:	
Equipment/Series:	Huawei FusionSolar SUN2000 Inverter
Models:	SUN2000-2/3/3.68/4/4.6/5/6KTL-L1/Huawei SUN2000-3/4/5/6/8/10KTL-M0/M1/Huawei SUN2000-12/15/17/20KTL-M0/M2/Huawei SUN2000-33KTL-A/Huawei SUN2000-36KTL/Huawei SUN2000-30/36/40KTL-M3/Huawei SUN2000-50/60KTL-M0/Huawei SUN2000-100KTL-M1/Huawei
Manufacture's Name	Huawei Technologies Co.,Ltd

Huawei Technologies Co., Ltd. hereby confirms conformity to VDE-AR-N 4110:2018-11 for following inverter models:	
Equipment/Series:	Huawei FusionSolar SUN2000 Inverter
Models:	SUN2000-105KTL-H1/Huawei SUN2000-185KTL-H1/Huawei
Manufacture's Name	Huawei Technologies Co.,Ltd

Signature: 

Date: