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Managing Board: Roland Grebe, Lydia Sommer, Pierre-Pascal Urbon, Marko Werner

Manufacturer's Declaration

Response of PV inverters to a grid handicap in the form of high proportions of harmonic voltage distortion (THD_v)

All the PV inverters listed below monitor both line voltage and power frequency. Should the grid parameters deviate from the thresholds configured in the inverter – e.g., as a result of a high proportion of harmonic distortion in the line voltage (THD_v) – the PV inverter will disconnect from the utility grid until the voltage and frequency have reverted to values within the permissible range.
The PV inverters listed below can also be operated on utility grids with a high proportion of harmonic distortion (THD_v). The SMA warranty is not affected by operation of the inverters on grids with a handicap of this kind.

SUNNY BOY	SUNNY MINI CENTRAL	SUNNY TRIPOWER
without transformer	without transformer	without transformer
SB1300TL-10 SB1600TL-10	SMC 9000TLRP-10 SMC 10000TLRP-10	STP 10000TL-10 STP 12000TL-10
SB 2100TL	SMC 11000TLRP-10	STP 15000TL-10
SB 3000TL-21	with transformer	STP 17000TL-10
SB 3600TL-21	SMC 6000A-11	STP 5000TL-20
SB 4000TL-21		STP 6000TL-20
SB 5000TL-21		STP 7000TL-20
SB 6000TL-21		STP 8000TL-20
SB 2500TLST-21		STP 9000TL-20
SB 3000TLST-21		STP 15000TLEE-10
SB 3600SE-10		STP 20000TLEE-10
SB 5000SE-10		
with transformer		
SB 240-10		
SB 2000HF-30 SB 2500HF-30 SB 3000HF-30		

Niestetal, 04. February 2014
SMA Solar Technology AG

(Vice President MPTPD)

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