



Manufacturer's Declaration

Confirmation of integrated all-current sensitive residual-current monitoring unit (RCMU*)

SMA confirms herewith that an all-current-sensitive residual-current monitoring unit (RCMU) is integrated in the devices listed below as standard. The RCMU monitors AC and DC residual currents. The integrated RCMU has been certified by testing according to VDE 0126-1-1 and IEC/EN 62109-2. Sudden residual current jumps ≥ 30 mA cause the inverter to disconnect from the utility grid. The disconnection device is in redundant design. If a fault function is detected, all poles are immediately switched off and the inverter is disconnected from the utility grid. Subject to the inverter type, there are up to three independent disconnectors switched in series. If the criterion "Protection through automatic disconnection of supply" is fulfilled with an appropriate overcurrent protective device, no additional residual current protection is required in the listed inverters. **

SUNNY BOY		SUNNY TRIPOWER	
SB 1300TL-10		STP 5000TL-20	
SB 1600TL-10		STP 6000TL-20	
SB 2100TL		STP 7000TL-20	
SB 3000TL-21		STP 8000TL-20	
SB 3600TL-21		STP 9000TL-20	
SB 4000TL-21		STP 10000TL-20	
SB 5000TL-21		STP 12000TL-20	
SB 6000TL-21		STP 15000TL-30	
SB 2500TLST-21		STP 20000TL-30	
SB 3000TLST-21		STP 25000TL-30	
SB 3600SE-10		STP 50-40	
SB 5000SE-10		STP 60-10	
SUNNY HIGHPOWER		SUNNY TRIPOWER STORAGE	
SHP 75-10		STPS 60-10	

* RCMU: Residual Current Monitoring Unit

** Should a residual current protection be necessary for other reasons, it should be Type A and have an operating current of at least 100 mA, so that the plant is not disconnected due to capacitive leakage currents occurring during operation. Do not use residual current protection with an operating current of 30 mA as unwanted disconnections may take place due to capacitive leakage currents occurring during operation. In this case, SMA Solar Technology AG will not assume any liability for ensuing claims.

Niestetal, 2018-11-22

SMA Solar Technology AG

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