



Manufacturer's Declaration

Usage of residual-current devices (RCD) of type A with Sunny Boy, Sunny Boy Smart Energy, Sunny Boy Storage, Sunny Island and Sunny Tripower inverters

The inverters listed below are compatible with RCD type A (in accordance with the standard EN 62109-1, section 7.3.8.). The inverters thus meet the requirements specified in DIN VDE 0100-712 and IEC 60364-7-712 that they are not able to feed in DC residual currents due to their design.

SUNNY BOY	SUNNY BOY	SUNNY TRIPOWER
SB1.5-1VL-40	SB 3000HF-30	STP3.0-3AV-40**
SB2.0-1VL-40	SUNNY BOY SMART ENERGY	STP4.0-3AV-40**
SB2.5-1VL-40	SBSE3.6-50	STP5.0-3AV-40**
SB3.0-1AV-41 *	SBSE4.0-50	STP6.0-3AV-40**
SB3.6-1AV-41 *	SBSE5.0-50	STP8.0-3AV-40**
SB4.0-1AV-41 *	SBSE6.0-50	STP10.0-3AV-40**
SB5.0-1AV-41 *	SBSE8.0-50	STP 10000TL-10
SB6.0-1AV-41 *	SBSE9.9-50	STP 12000TL-10
SB 1300TL-10	SUNNY BOY STORAGE	STP 15000TL-10
SB 1600TL-10	SBS2.5-1VL-10	STP 17000TL-10
SB 2100TL	SBS3.7-10	STP 15000TLEE-10
SB 3000TL-21	SBS5.0-10	STP 20000TLEE-10
SB 3600TL-21	SBS6.0-10	STP 5000TL-20
SB 4000TL-21	SUNNY ISLAND	STP 6000TL-20
SB 5000TL-21	SI4.4M-13	STP 7000TL-20
SB 6000TL-21	SI6.0H-13	STP 8000TL-20
SB 2500TLST-21	SI8.0H-13	STP 9000TL-20
SB 3000TLST-21	SUNNY TRIPOWER	STP 10000TL-20
SB 3600SE-10	STP 12-50	STP 12000TL-20
SB 5000SE-10	STP 15-50	STP 15000TL-30
SB 240-10 with Multigate-10	STP 20-50	STP 17000TL-30
SB 2000HF-30	STP 25-50	STP 20000TL-30
SB 2500HF-30		STP 25000TL-30

Whether an RCD is necessary and which types may be used in general depends on the respective applicable installation regulations in each case.

*The inverters from firmware version 3.00.10.R are compatible with residual-current devices of type A and B that have a rated residual current of 30 mA or higher.

**The inverters from firmware version 3.00.05.R are compatible with residual-current devices of type A and B that have a rated residual current of 30 mA or higher.

Niestetal, 2025-05-09

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