Huawei Technologies Co., Ltd.

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Manufacturer's Declaration

VDE application guide 2510-2 Stationary electrical energy storage systems for connection to the low-voltage grid

Huawei Technologies Co., Ltd. hereby confirms that the Huawei energy storage system meets the requirements of VDE-AR-E 2510-2:2015-09.

The energy storage system for increased self-consumption is made up of the following components:

• Three-Phase INVERTER
Product: SOLAR INVERTER
Models: SUN2000-3KTL-M1, SUN2000-4KTL-M1, SUN2000-5KTL-M1, SUN2000-6KTL-M1, SUN2000-8KTL-M1, SUN2000-10KTL-M1

• Single-Phase INVERTER
Product: SOLAR INVERTER
Models: SUN2000-2KTL-L1, SUN2000-3KTL-L1, SUN2000-4KTL-L1, SUN2000-5KTL-L1, SUN2000-6KTL-L1

• Smart Power Sensor：DDSU666-H (Single Phase)，DTSU666-H 250A (Three Phase)

• Battery (LUNA2000-5-S0，LUNA2000-10-S0，LUNA2000-15-S0)

Note：For the details of the product,please see www.solar.huawei.com

Huawei Technologies Co., Ltd.

31 December 2020	Gus. Tian
date	Technical manage (stamp, signature)

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Information on VDE-AR 2510-2

4	Transport for installation	
4.1	General requirements	P
4.2	Lead-acid batteries	N/A
4.3	Lithium batteries	P
5	Requirements for electrical energy storage systems	
5.1	Requirements for the safe use and operation of stationary energy storage systems	P
5.2	Requirements for the installation site of stationary energy storage systems	P
5.2.1	General	P
5.2.2	Areas	P
5.2.3	General requirements for the placing of batteries	P
5.2.4	Additional requirements for cabinets or boxes inside or outside buildings	P
6	**Electrical installation**	
6.101	General	P
6.102	Symmetry requirements	P
6.102.1	Symmetry requirements in isolated operation	P
6.102.2	Symmetry conditions in grid-connected operation	P
6.102.2.1	Single-phase energy storage systems	P
6.102.2.2	Three-phase energy storage systems	P
6.103	Voltage quality	P
6.410	Protection against electric shock in isolated operation	P

6.410.2.1	Isolated operation in IT systems	N/A
6.410.2.2	Isolated operation with TN system	P
6.430.101	Overcurrent protection	P
6.530	Switchgear and control gear	P
6.530.1	Selection of residual current devices (RCD)	P
6.530.1.1	Residual current devices (RCD) for AC systems	P
6.530.1.2	Residual current devices (RCD) for DC systems	P
6.536	Devices for switching to isolated operation	P
6.538	Insulation monitoring devices	P
6.540	Earthing arrangements and protective earth conductors	P
6.551.1	Operating modes of energy storage systems	P
6.551.2	Coordination with decentralized generating plants (EZA) in isolated operation for power limitation	P
6.600	Tests	P
6.600.1	Initial and recurring tests	P
6.600.2	Inspection	P
6.600.3	Testing and measurement	P
6.600.3.1	Continuity of conductors	P
6.600.3.2	Insulation resistance of the electrical installation	P
6.600.3.3	Protective measure "automatic disconnection of supply"	P