

Manufacture's Declaration

VDE Application rule 2510-2:2015-09 energy storage systems for connection to the low voltage network

Shenzhen SOFAR SOLAR Co., Ltd.

hereby confirms that followed storage system energy storage systems comply with VDE-AR-E 2510-2:2015-09.

The energy storage system consists of the following components:

Item.	Product	Model	Remarks
1	Inverter	HYD 5KTL-3PH HYD 6KTL-3PH HYD 8KTL-3PH HYD 10KTL-3PH HYD 15KTL-3PH HYD 20KTL-3PH	
2	Battery	BTS E5~20-DS5	Other third party batteries should be confirmed by Sofarsolar
3	Meter/CT	Meter:Chnt DTSU666 CT:AKH-0.66 K-Φ24 200A 5A*3 /HY94C5-2003	

Information about VDE-AR-E 2510-2:2015-09 appendix A functions for network replacement operation/ island network operation.

A.1 Overload and short-circuit power supply

Max. Overload power supply for 60s:

	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH	HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH
Max. Overload current	10.87A	13.04A	17.39A	21.74A	32.61A	37.68A

Short-circuit power supply

	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH	HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH
Max. Overload current	44.5A (Peak)			80.7A (Peak)		

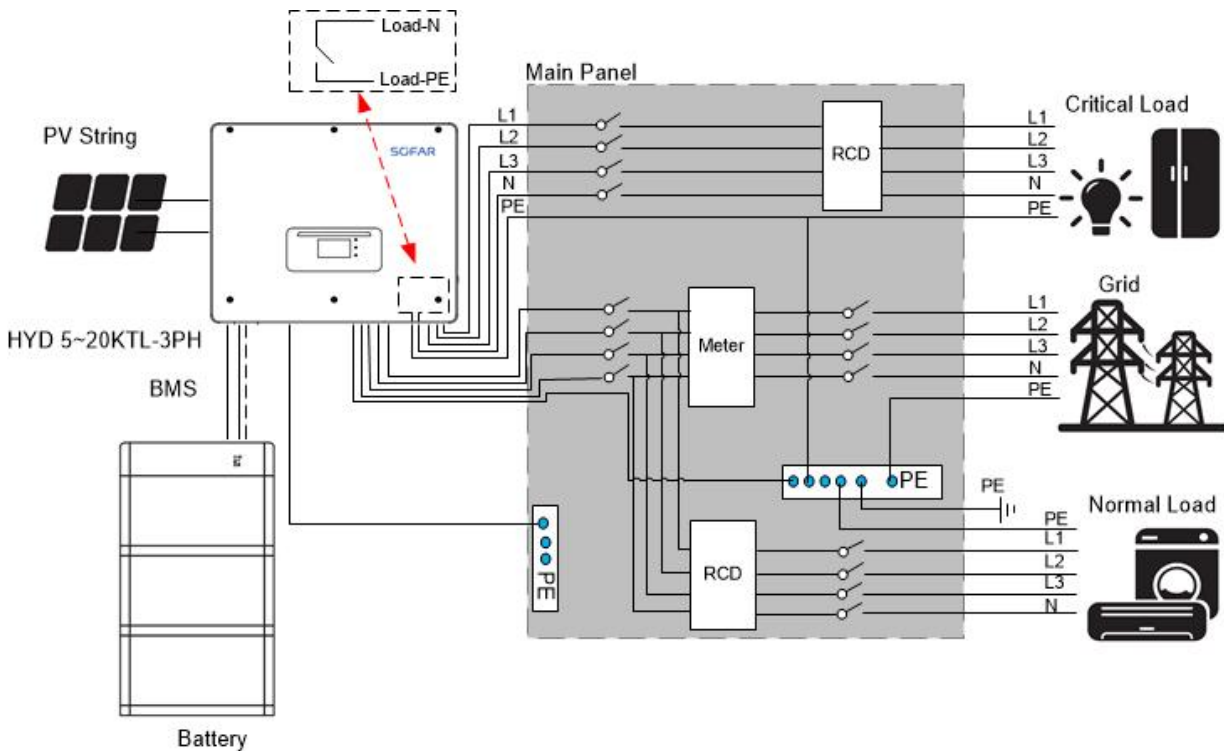
A.2 Voltage Limitation

Voltage against earth during short-circuit power supply: <20V

A.3 Island network in island network energy storage system

For the stand-alone ESS, the characterization information is provided as below:

- The wiring diagram of stand-alone ESS:



- Indication of the measure for compliance with fail-safe operation (monitoring,

redundant electronic circuit, etc.): monitoring

- Permanent power supply for the island network

	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH	HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH
Permanent power	8.05A	9.66A	12.88A	16.1A	24.15A	32.21A

- Short-term power supply for the island network

	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH	HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH
Short-term power for 60S	10.87A	13.04A	17.39A	21.74A	32.61A	37.68A
Short-term power for 10S	14.49A	17.39A	21.7A	28.98A	43.48A	43.48A

A.4 Disconnection in IT networks at first fault

Not applicable

Notified body:

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Singed for and on behalf of:

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