



# TEST REPORT

## IEC 61727 / IEC 62116

Photovoltaic (PV) systems  
Characteristics of the utility interface  
Test procedure of islanding prevention measures for  
utility-interconnected photovoltaic inverters

|                                  |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Report reference number .....    | PVTH180323N030-4                                                                                                                                                        |
| Date of issue .....              | 2018-05-11                                                                                                                                                              |
| Testing laboratory name .....    | Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch                                                                                                                       |
| Address .....                    | No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China                                                                              |
|                                  |   |
| Applicant's name .....           | Huawei Technologies Co., Ltd.                                                                                                                                           |
| Address .....                    | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C                                             |
| Test specification               |                                                                                                                                                                         |
| Standard .....                   | IEC 61727:2004, IEC 62116:2008,<br>Deviations for Thailand according the grid-connected inverter regulations of the Provincial Electricity Authority (PEA:2016)         |
| Certificate .....                | Certificate of compliance                                                                                                                                               |
| Test report form number .....    | IEC 61727                                                                                                                                                               |
| Master TRF .....                 | Bureau Veritas Consumer Products Services Germany GmbH                                                                                                                  |
| Test item description .....      | SOLAR INVERTER                                                                                                                                                          |
| Trademark .....                  |                                                                                      |
| Model / Type .....               | SUN2000-65KTL-M0                                                                                                                                                        |
| Ratings .....                    | SUN2000-65KTL-M0                                                                                                                                                        |
| MPP DC voltage range [V] .....   | 200-1000                                                                                                                                                                |
| Input DC voltage range [V] ..... | Max. 1100                                                                                                                                                               |
| Input DC current [A] .....       | Max. 22 x 6                                                                                                                                                             |
| Output AC voltage [V] .....      | 3~/PE, 480Vac, 50Hz                                                                                                                                                     |
| Output AC current [A] .....      | Max.86,7                                                                                                                                                                |
| Output power [W] .....           | 65000                                                                                                                                                                   |

|                                                   |                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Testing Location .....</b>                     | <b>Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch</b>                                                                                                                                                                                                                                                                                    |
| <b>Address .....</b>                              | No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China                                                                                                                                                                                                                                                  |
| <b>Tested by<br/>(name and signature) .....</b>   | James Huang                                                                                                                                                                                                                                               |
| <b>Approved by<br/>(name and signature) .....</b> | Ted Wu                                                                                                                                                                                                                                                    |
| <b>Manufacturer's name .....</b>                  | <b>Huawei Technologies Co., Ltd.</b>                                                                                                                                                                                                                                                                                                        |
| <b>Manufacturer address .....</b>                 | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C                                                                                                                                                                                                                 |
| <b>Factory's name .....</b>                       | <b>1) Huawei Machine Co., Ltd.</b><br><b>2) Shenzhen Fugui Precision Industry Co., LTD</b>                                                                                                                                                                                                                                                  |
| <b>Factory address .....</b>                      | 1) No. 2 City Avenue, Songshan Lake Sci. & Tech. Industry Park, 523808 Dongguan, Guangdong, PEOPLE'S REPUBLIC OF CHINA<br>2) Floor1~4, Building 1, F8d District, Foxconn Science and Technology Industrial Park, East side of Min Qing Road, Longhua Subdistrict, Longhua District, 518109, Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA |

| Document History           |                    |                                |          |
|----------------------------|--------------------|--------------------------------|----------|
| Date                       | Internal reference | Modification / Change / Status | Revision |
| 2018-05-11                 | James Huang        | Initial report was written     | 0        |
| Supplementary information: |                    |                                |          |