

# Compliance Document

No. D 103836 0008 Rev. 00

**Holder of Certificate:** **Shenzhen SOFARSOLAR Co., Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**(Solar Grid-tied Inverter)**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290213020601

**Date,** 2021-06-01



( Billy Qiu )

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**Model(s):** SOFAR 250KTL-HV, SOFAR 255KTL-HV

## Parameters:

|                                  |                                               |                                               |
|----------------------------------|-----------------------------------------------|-----------------------------------------------|
| Model:                           | SOFAR 250KTL-HV                               | SOFAR 255KTL-HV                               |
| PV input terminal parameters:    |                                               |                                               |
| Max. input voltage               | 1500V                                         |                                               |
| Rated input voltage              | 1160V                                         |                                               |
| Start-up voltage                 | 550V                                          |                                               |
| MPPT operating voltage range     | 500V~1500V                                    |                                               |
| Full power MPPT voltage range    | 800V~1300V                                    |                                               |
| Number for DC inputs             | 24                                            |                                               |
| Max. input MPPT current          | 30A*12                                        |                                               |
| Max. input short circuit current | 50A*12                                        |                                               |
| AC output rating                 |                                               |                                               |
| AC output power                  | 250kVA@30°C /<br>235kVA@40°C /<br>220kVA@50°C | 255kVA@30°C /<br>235kVA@40°C /<br>220kVA@50°C |
| Max. Output current              | 180.5A                                        | 184A                                          |
| Nominal grid voltage             | 3 / PE, 800V                                  |                                               |
| Grid voltage range               | 640~920V                                      |                                               |
| Nominal frequency                | 50Hz / 60Hz                                   |                                               |
| Active power adjustable range    | 0~100%                                        |                                               |
| Power factor                     | 0.8 leading ~ 0.8 lagging                     |                                               |
| General                          |                                               |                                               |
| Operating temperature range      | -30°C~+60°C                                   |                                               |
| Protection class                 | CLASS I                                       |                                               |
| Ingress protection               | IP66                                          |                                               |
| Operating altitude range         | 5000m (> 4000m derating)                      |                                               |

**Tested  
according to:**

IEC 60068-2-1:2007  
IEC 60068-2-2:2007  
IEC 60068-2-14:2009  
IEC 60068-2-30:2005