

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190702-E483483  
**Report Reference** E483483-20180828  
**Issue Date** 2019-JULY-02

**Issued to:** SMA Solar Technology AG  
Sonnallee 1  
34266 Niestetal GERMANY

**This certificate confirms that  
representative samples of**

PHOTOVOLTAIC RAPID SHUTDOWN SYSTEM  
EQUIPMENT

DC-DC conditioners: Models TS4-R-F, TS4-R-F-DUO  
Model numbers may be followed by alphanumeric suffixes  
representing non-safety critical features of the product.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:**

UL 1741, INVERTERS, CONVERTERS, CONTROLLERS  
AND INTERCONNECTION SYSTEM EQUIPMENT FOR  
USE WITH DISTRIBUTED ENERGY RESOURCES  
CSA C22.2 NO. 107.1-01 GENERAL USE POWER  
SUPPLIES

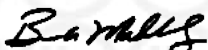
**Additional Information:**

See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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