



Product Service

## Test Verification

**Dated: 2022-12-12**

**Applicant:** Huawei Digital Power Technologies Co., Ltd.  
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**Product:** Huawei PV Hazard Control System (PVHCS)

**Model:** See Appendix

**According to:** UL 3741:2020 First Edition

**Note:** Safety Analysis was performed according to Section 12 of UL 3741:2020. The results showed that the hazard level could be controlled at HL 0 at normal conditions, and within HL 1 at fault conditions. No further actions are required.

**Test report No.:** 64.290.22.31320.01

**TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch**

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**Section Manager  
Billy Qiu**

This Verification confirms that the test results of the presented product in the above listed test report are in compliance with the specified requirements. This Verification is part of the full test report(s) and should be read in conjunction with it.





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## Appendix

Huawei PV Hazard Control System is an integrated system which includes Optimizers and Inverters. The models of Optimizers and Inverters are evaluated in the report 64.290.22.31320.01 as below:

Optimizer	Inverter
MERC-1100W-P	SUN2000-50KTL-ZHM3, SUN2000-50KTL-M3
MERC-1300W-P	SUN2000-15KTL-ZHM5, SUN2000-17KTL-ZHM5, SUN2000-20KTL-ZHM5, SUN2000-25KTL-ZHM5, SUN2000-12KTL-M5, SUN2000-15KTL-M5, SUN2000-17KTL-M5, SUN2000-20KTL-M5, SUN2000-25KTL-M5
	SUN2000-8KTL-M2, SUN2000-10KTL-M2, SUN2000-12KTL-M2, SUN2000-15KTL-M2, SUN2000-17KTL-M2, SUN2000-20KTL-M2
	SUN2000-20KTL-M3, SUN2000-29.9KTL-M3, SUN2000-30KTL-M3, SUN2000-36KTL-M3, SUN2000-40KTL-M3