

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Smart PV Optimizer

Name and address of the applicant

Huawei Digital Power Technologies Co., Ltd
Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33
Antuoshan 6th Road, Futian District, Shenzhen, 518043, China

Name and address of the manufacturer

Huawei Digital Power Technologies Co., Ltd
Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33
Antuoshan 6th Road, Futian District, Shenzhen, 518043, China

Name and address of the factory

Huawei Machine Co., Ltd.
No.2 New City Avenue Songshan Lake Sci. &Tech. Industry Park,
Dongguan 523808 China*When more than one factory*☒ Additional information on page 2

Ratings and principal characteristics

Product data

Ratings:

INPUT: MPPT Voltage: 10-80 V

OUTPUT: 1-80 V, 16 A, 600 W

General information: 73,8mm×145mm×27,2mm, max. 650g,
-40 to +85 °C, 0% RH ~ 100% RH, 4000 m, IP68

PV MAX system voltage: 1000 V

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

MERC-600W-I0, MERC-600W-PA0 and SUN2000-600W-PA0

Additional information

☐ Additional information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62109-1:2010

As shown in the Test Report Ref. No. which forms part of this Certificate

6257104.50

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

Date: 2026-03-11

Signature: May Liu



Ref. Certif. No.

NL-124188

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Additional factory

Astec Electronics (Luoding) Co., Ltd.
No.68 Baocheng Road East, Fucheng, Luoding, Guangdong, China

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6825 MJ Arnhem
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