



Ref. Certif. No.

SG PSB-PV-00024

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

CB TEST CERTIFICATE

Product	Power supply (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 518043 Shenzhen PEOPLE'S REPUBLIC OF 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, 518043 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Name and address of the factory	Astec Electronics (Luoding) Co. Limited No. 68 Baocheng Road East,, Fucheng Luoding,, 527200 Guangdong, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	See below page
Model/type Ref.	MERC-1100W-P, MERC-1300W-P
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	085-223077901-000

Page 1 of 2

This CB Test Certificate is issued by the National Certification Body

CBS 114387 0041 Rev. 00

Date, 2022-08-23

( Billy Qiu )



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Trademark / Brand (Image)



Name and address of the factory (continued)

 Dongguan Luxshare Precision Industry Ltd.  
 No. 313, Beihuan Road, Qingxi Town, 523640 Dongguan City, Guangdong  
 Province, PEOPLE'S REPUBLIC OF CHINA

**Ratings and principal characteristics**

Model	MERC-1100W-P	MERC-1300W-P
PV input rating		
Rated input power	1100W	1300W
MPPT voltage range	12.5Vd.c. – 125Vd.c.	12.5Vd.c. – 125Vd.c.
Max. input current	20A	20A
DC output rating		
Max. output voltage	80Vd.c.	80Vd.c.
Max. output current	22A	22A
General parameter		
Ingress protection rating	IP68	IP68
Ambient temperature range	-40°C – 85°C (derating above 25°C)	-40°C – 85°C (derating above 25°C)
Protective class	II	II

Page 2 of 2

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