



EU – TYPE EXAMINATION CERTIFICATE
EMC DIRECTIVE 2014/30/EU
Annex III

MANUFACTURER

Name	:	Huawei Digital Power Technologies Co., Ltd.
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PRODUCT DESCRIPTION

Trademark/Trade Name	:	HUAWEI
Model Number	:	MERC-1300W-P, MERC-1100W-P
Product Description	:	Smart PV Optimizer

NOTIFIED BODY

Certificate issued by	:	Notified Body 1177, TIMCO Engineering, Inc.		
Certificate number	:	E1177-22282		
Name and Signature	:	Bruno Clavier	<i>Bruno Clavier</i>	Date: September 19, 2022

The device shall be marked as follows:



Based on the evidence presented in the Technical Documentation, TIMCO Engineering, Inc., as appointed Notified Body, has issued this EU-Type Examination Certificate in accordance with Annex III Module B. The product described appears to be in conformity with the essential requirements of ANNEX I, Item 1(a) and 1(b) of EMC Directive 2014/30/EU. This certificate is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body or (2) the date of modifications to the approved type that may affect the conformity of the apparatus with the essential requirements of this Directive or the conditions for validity of that certificate, whichever comes first.

TIMCO ENGINEERING, INC. P.O. BOX 370 NEWBERRY, FL 32669 www.timcoengr.com A2LA Accredited (Certificate No. 0955.02)	This Certificate is issued under the provision that TIMCO Engineering Inc. nor its subsidiary companies accept any liability concerning the contents of this document other than forced by law. Reproduction of the Certificate (with Annex) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc.
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**EU – TYPE EXAMINATION CERTIFICATE
ANNEX 1
E1177-222282**

Date: September 19, 2022

PRODUCT SPECIFICATIONS

Intended Use / Category :	Smart PV Optimizer
Input ratings :	MERC-1300W-P: INPUT: DC 12.5-125V; 20A; 1300W OUTPUT: DC 80V Max; 22A Max MERC-1100W-P: INPUT: DC 12.5-125V; 20A; 1100W OUTPUT: DC 80V Max; 22A Max
Operating Frequency :	highest frequency of the internal sources is 60 MHz

According to the Technical Documentation compiled by the Manufacturer, this radio equipment was assessed for compliance with the following standards, which were applied in full:

ESSENTIAL REQUIREMENTS ASSESSED

Essential Requirement	Standard Number & Version
Emission – Annex I.1(a) :	EN 61000-6-3:2007+A1:2011 EN 61000-6-3:2007/A1:2011/AC:2012 EN 61000-6-4:2007+A1:2011
Immunity – Annex I.1(b) :	EN 61000-6-1:2007 EN 61000-6-2:2005 EN 61000-6-2:2005/AC:2005

LIST OF DOCUMENTS REVIEWED

Item	Exhibit Description	
1.	Copy of the Declaration of Conformity	<input checked="" type="checkbox"/>
2.	A brief description of the equipment (e.g. Operational Description)	<input checked="" type="checkbox"/>
3.	Photographs or illustrations showing external features, marking and internal layout	<input checked="" type="checkbox"/>
4.	User information and installation instructions	<input checked="" type="checkbox"/>
5.	Conceptual design and manufacturing drawings and schemes of components, sub-assemblies, circuits and other relevant similar elements (i.e. Schematics and Block Diagrams)	<input checked="" type="checkbox"/>
6.	Descriptions and explanations necessary for the understanding of those drawings and schemes and the operation of the radio equipment (i.e. a Circuit Description where applicable)	<input checked="" type="checkbox"/>
7.	Test reports	<input checked="" type="checkbox"/>
	Emission/Immunity	
	EMC	
	Test Report Number	
	220701054SZN-001	
	Issue Date/Rev. No.	
	July 19, 2022	