



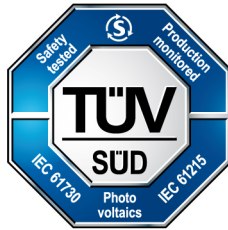
Product Service

# CERTIFICATE

No. Z2 084784 0030 Rev. 00

**Holder of Certificate:** **CW ENERJI MÜHENDISLIK  
TICARET VE SANAYI A.S.**  
AOSB 1. Kisim Mah. Atatürk Blv. no 20  
07190 Döşemealtı / Antalya  
TÜRKIYE

**Certification Mark:**



**Product:** **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**  
**[Mono Crystalline Silicon Photovoltaic (PV) Module(s)]**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290203011308C

**Valid until:** 2027-06-12

**Date,** 2022-09-27

( Symbol Zhao )

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## Model(s):

CWTxxx-144PMB (xxx=420-455, in steps of 5);  
 CWTxxx-132PMB (xxx=395-415, in steps of 5);  
 CWTxxx-120PMB (xxx=350-380, in steps of 5);  
 CWTxxx-78PMB-HC (xxx=430-445, in steps of 5);  
 CWTxxx-72PMB-HC (xxx=400-415, in steps of 5);  
 CWTxxx-60PMB-HC (xxx=330-345, in steps of 5).  
 CWTxxx-144PMB10 (xxx=525-560, in steps of 5);  
 CWTxxx-132PMB10 (xxx=480-515, in steps of 5);  
 CWTxxx-120PMB10 (xxx=440-465, in steps of 5);  
 CWTxxx-108PMB10 (xxx=390-420, in steps of 5).  
 CWTxxx-132PMB12 (xxx=640-675, in steps of 5);  
 CWTxxx-120PMB12 (xxx=580-615, in steps of 5);  
 CWTxxx-108PMB12 (xxx=520-550, in steps of 5).  
 CWTxxx-132PMB12HB(xxx=670-700, in steps of 5);  
 CWTxxx-120PMB12HB (xxx=610-635, in steps of 5);  
 CWTxxx-108PMB12HB (xxx=545-570, in steps of 5).

xxx stands for rated output power at STC.

CWTxxx-xxxPMB, CWTxxx-xxPMB-HC, CWTxxx-xxxPMB10,  
 CWTxxx-xxxPMB12, CWTxxx-xxxPMB12HB series are bifacial  
 modules. The "rated output power at STC" is generated only  
 by front side.

## Parameters:

Protection class:	Class II
Max. system voltage:	1500 V d.c.
Fire safety class:	Class A according to UL 790
Construction:	Framed, with Junction box, Cable and Connectors

## Tested according to:

IEC 61215-1:2016  
 EN 61215-1:2016  
 IEC 61215-1-1:2016  
 EN 61215-1-1:2016  
 IEC 61215-2:2016  
 EN 61215-2:2017  
 IEC 61730-1:2016  
 EN IEC 61730-1:2018  
 IEC 61730-2:2016  
 EN IEC 61730-2:2018