


Teljesítmény nyilatkozat		No:	05-2022-HRP
Típus/Modell szám:	DHT-M60X10-460W		
Termék megnevezése, rendeltetése, felhasználási területe:			
A DAH Solar Napelem panel modul elektromos áramtermelésre szolgál, hálózatra, részleges sziget- és teljes szigetüzemű rendszerekhez. Gyártási dátum: 2022.05.14.			
Gyártó:			
	ANHUI DAHENG ENERGY TECHNOLOGY CO.,		
	Luyang District		
	No. 1, Yaoyuan Road		
	Hefei City, China		
Gyártó képviselőjének neve és címe:			
	HRP Europe Kft.		
	1033 Budapest, Huszti út 34.		
	Telefon: +36 1 4524600	E-mail: solar@hrp.hu	
Minősítések, szabványok, amelyeknek az építési termék vizsgálattal igazoltan megfelel:			
	MSZ HD 60364-7-712:2016		
	Kisfeszültségű villamos berendezések.		
	Különleges berendezésekre vagy helyekre vonatkozó követelmények		
	Napelemes (PV-) rendszerek (d)		
Vizsgálószervezet, amelyek első típusvizsgálata alapján a megfelelőségi nyilatkozat kiadásra került:			
	TÜV NORD CERT GmbH		
	A honosított PVP04006/21P-04 megfelelőségi igazolás		
Műszaki paraméterek			
	Névleges teljesítmény Pmax	460	
	Teljesítménytolerancia	max 0/+5 %	
	Névleges feszültség Umpp	52,8	
	Névleges áram Impp	8,71	
	Hatásfok MPP	21,3	

Érvényesség: a jelen nyilatkozat visszavonásig érvényes

Kelt: Budapest, 2022. augusztus 22.


Pál Imre, ügyvezető
HRP Europe Kft.

Mellékletek: TÜV megfelelőségi nyilatkozat PVP04006/21P-04



CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Anhui Daheng Energy Technology Co., Ltd.
No.01, Yaoyuan Road, Luyang District,
Hefei City, Anhui Province,
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2022-03-15
Valid until: 2024-06-13

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC / EN 61215-1:2016; IEC / EN 61215-1-1:2016; IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.:	44 780 19 406749 - 367R5A1M7
Manufacturer:	see Annex 1
Test Report No.:	492011236.010
File No.:	PVP04006/21P-04



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2022-03-15

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / *Annex 1 to Certificate No.:* **44 780 19 406749 - 367R5A1M7**

Seite / Page 1 von / of 1

Aktenzeichen: / *File reference:* **PVP04006/21P-04**

2022-03-15

Manufacturer:

Manufacturer: **Anhui Daheng Energy Technology Co., Ltd.**
No.01, Yaoyuan Road, Luyang District,
Hefei City, Anhui Province, P.R. China

Factory inspection report no.: 862010588.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with Mono-crystalline Silicon Solar Cells (156.75mm to 166mm): 72 cells: DHM72-xxxW (xxx = 325 - 370, in increment of 5) 72 cells: DHM72/FS-xxxW (xxx = 325 - 370, in increment of 5) 60 cells: DHM60-xxxW (xxx = 275 - 310, in increment of 5) 60 cells: DHM60/FS-xxxW (xxx = 275 - 310, in increment of 5) 72 cells: DHM72X-xxxW (xxx = 370 - 390, in increment of 5) 72 cells: DHM72X/FS-xxxW (xxx = 370 - 390, in increment of 5) 60 cells: DHM60X-xxxW (xxx = 310 - 325, in increment of 5) 60 cells: DHM60X/FS-xxxW (xxx = 310 - 325, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	16A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	PV Modules with Mono-crystalline Silicon Half-cut Solar Cells (156.75mm to 166mm): 144 cells: HCM72-xxxW (xxx = 350 - 390, in increment of 5) 144 cells: HCM72/FS-xxxW (xxx = 350 - 390, in increment of 5) 120 cells: HCM60-xxxW (xxx = 290 - 325, in increment of 5) 120 cells: HCM60/FS-xxxW (xxx = 290 - 325, in increment of 5) 156 cells: HCM78X9-xxxW (xxx = 415 - 455, in increment of 5) 156 cells: HCM78X9/FS-xxxW (xxx = 415 - 455, in increment of 5) 144 cells: HCM72X9-xxxW (xxx = 385 - 420, in increment of 5) 144 cells: HCM72X9/FS-xxxW (xxx = 385 - 420, in increment of 5) 120 cells: HCM60X9-xxxW (xxx = 320 - 350, in increment of 5) 120 cells: HCM60X9/FS-xxxW (xxx = 320 - 350, in increment of 5) 144 cells: DHM-72L9-xxxW (xxx = 430 - 465, in increment of 5) 144 cells: DHM-72L9/FS-xxxW (xxx = 430 - 465, in increment of 5) 144 cells: DHM-72L9/BF-xxxW (xxx = 430 - 465, in increment of 5) 144 cells: DHM-72L9/FS/BF-xxxW (xxx = 430 - 465, in increment of 5) 120 cells: DHM-60L9-xxxW (xxx = 360 - 385, in increment of 5) 120 cells: DHM-60L9/FS-xxxW (xxx = 360 - 385, in increment of 5)
---------------	---



TÜV NORD CERT GmbH
Certification Body
Consumer Products

	120 cells: DHM-60L9/BF-xxxW (xxx = 360 - 385, in increment of 5)
	120 cells: DHM-60L9/FS/BF-xxxW (xxx = 360 - 385, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:

PV Modules with 182mm Mono-crystalline Silicon Half-cut Solar Cells:

	156 cells: DHM-78X10-xxxW (xxx = 570 - 590, in increment of 5)
	156 cells: DHM-78X10/FS-xxxW (xxx = 570 - 590, in increment of 5)
	156 cells: DHM-78X10/BF-xxxW (xxx = 570 - 590, in increment of 5)
	156 cells: DHM-78X10/FS/BF-xxxW (xxx = 570 - 590, in increment of 5)
	144 cells: DHM-72X10-xxxW (xxx = 525 - 555, in increment of 5)
	144 cells: DHM-72X10/FS-xxxW (xxx = 525 - 555, in increment of 5)
	144 cells: DHM-72X10/BF-xxxW (xxx = 525 - 555, in increment of 5)
	144 cells: DHM-72X10/FS/BF-xxxW (xxx = 525 - 555, in increment of 5)
	132 cells: DHM-66X10-xxxW (xxx = 485 - 505, in increment of 5)
	132 cells: DHM-66X10/FS-xxxW (xxx = 485 - 505, in increment of 5)
	132 cells: DHM-66X10/BF-xxxW (xxx = 485 - 505, in increment of 5)
	132 cells: DHM-66X10/FS/BF-xxxW (xxx = 485 - 505, in increment of 5)
	120 cells: DHM-60X10-xxxW (xxx = 440 - 460, in increment of 5)
	120 cells: DHM-60X10/FS-xxxW (xxx = 440 - 460, in increment of 5)
	120 cells: DHM-60X10/BF-xxxW (xxx = 440 - 460, in increment of 5)
	120 cells: DHM-60X10/FS/BF-xxxW (xxx = 440 - 460, in increment of 5)
	108 cells: DHM-54X10-xxxW (xxx = 395 - 415, in increment of 5)
	108 cells: DHM-54X10/FS-xxxW (xxx = 395 - 415, in increment of 5)
	108 cells: DHM-54X10/BF-xxxW (xxx = 395 - 415, in increment of 5)
	108 cells: DHM-54X10/FS/BF-xxxW (xxx = 395 - 415, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Material group: I
Design load (positive / negative): 3600Pa / 1600Pa
Safety factors: 1.5
Fire safety class: Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types: **PV Modules with 182mm Mono-crystalline Silicon 1/3-cut Solar Cells:**
216 cells: DHT-M72X10-xxxW (xxx = 525 - 555, in increment of 5)
216 cells: DHT-M72X10/FS-xxxW (xxx = 525 - 555, in increment of 5)
216 cells: DHT-M72X10/BF-xxxW (xxx = 525 - 555, in increment of 5)
216 cells: DHT-M72X10/FS/BF-xxxW (xxx = 525 - 555, in increment of 5)
180 cells: DHT-M60X10-xxxW (xxx = 440 - 460, in increment of 5)
180 cells: DHT-M60X10/FS-xxxW (xxx = 440 - 460, in increment of 5)
180 cells: DHT-M60X10/BF-xxxW (xxx = 440 - 460, in increment of 5)
180 cells: DHT-M60X10/FS/BF-xxxW (xxx = 440 - 460, in increment of 5)

Maximum system voltage: 1500V
Fuse rating: 25A
Electrical protection class: Class II
Pollution degree: 1
Material group: I
Design load (positive / negative): 3600Pa / 1600Pa
Safety factors: 1.5
Fire safety class: Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products