

<b>Teljesítmény nyilatkozat</b>		<b>No:</b>	<b>03-2022-HRP</b>
Típus/Modell szám:	<b>RSM110-8-545M</b>		
<b>Termék megnevezése, rendeltetése, felhasználási területe:</b>			
A Risen Napelem panel modul elektromos áramtermelésre szolgál, hálózatra, részleges sziget- és teljes szigetüzemű rendszerekhez. Gyártási dátum: 2020.01.19.			
<b>Gyártó:</b>			
	<b>Risen Energy Co., Ltd</b>		
	Melin Ninghal,		
	315609 Ningbo, Zhejiang		
	PEOPLE'S REPUBLIC OF CHINA		
<b>Gyártó képviselőjének neve és címe:</b>			
	<b>HRP Europe Kft.</b>		
	1033 Budapest, Huszti út 34.		
	<b>Telefon:</b> +36 1 4524600	<b>E-mail:</b> solar@hrp.hu	
<b>Minősítések, szabványok, amelyeknek az építési termék vizsgálatával igazoltan megfelel:</b>			
	MSZ HD 60364-7-712:2016		
	Kisfeszültségű villamos berendezések.		
	Különleges berendezésekre vagy helyekre vonatkozó követelmények		
	Napelemes (PV-) rendszerek (d)		
<b>Vizsgálószervezet, amelyek első típusvizsgálata alapján a megfelelőségi nyilatkozat kiadásra került:</b>			
	TÜV SÜD Product Service GmbH		
	A honosított Z2 082429 0145 Rev. 22 számú megfelelőségi igazolás		
<b>Műszaki paraméterek</b>			
	Névleges teljesítmény Pmax	545	
	Teljesítménytolerancia	max 0/+5 %	
	Névleges feszültség Umpp	31,66	
	Névleges áram Impp	17,22	
	Hatásfok MPP	20,9	

**Érvényesség:** a jelen nyilatkozat visszavonásig érvényes

**Kelt:** Budapest, 2021. szeptember 3.



**Pál Imre, ügyvezető**  
**HRP Europe Kft.**

**Mellékletek:** TÜV megfelelőségi nyilatkozat Z2 082429 0145 Rev.22



Product Service

# CERTIFICATE

No. Z2 082429 0145 Rev. 22

**Holder of Certificate:** Risen Energy Co.,Ltd  
Meilin, Ninghai,  
315609 Ningbo, Zhejiang  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** Crystalline Silicon Terrestrial Photovoltaic (PV) Modules  
Mono-Crystalline Silicon Photovoltaic Module

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.:** 704061704311-26

**Valid until:** 2026-07-21

**Date,** 2021-07-23

  
( Zhulin Zhang )





# CERTIFICATE

No. Z2 082429 0145 Rev. 22

## Model(s):

RSM72-6-xxxM, xxx=330 to 405 in step of 5,  
 RSM60-6-xxxM, xxx=275 to 340 in step of 5,  
 RSM156-6-xxxM, xxx=410 to 455 in step of 5,  
 RSM156-6-xxxMB, xxx=410 to 455 in step of 5,  
 RSM144-6-xxxM, xxx=350 to 420 in step of 5,  
 RSM144-6-xxxMB, xxx=350 to 420 in step of 5,  
 RSM144-6-xxxM, xxx=425 to 450 in step of 5,  
 RSM144-7-xxxM, xxx=425 to 465 in step of 5,  
 RSM144-7-xxxMB, xxx=425 to 465 in step of 5,  
 RSM132-6-xxxM, xxx=320 to 385 in step of 5,  
 RSM132-6-xxxMB, xxx=320 to 385 in step of 5,  
 RSM120-6-xxxM, xxx=295 to 350 in step of 5,  
 RSM120-6-xxxMB, xxx=295 to 350 in step of 5,  
 RSM120-6-xxxM, xxx=355 to 375 in step of 5,  
 RSM120-7-xxxM, xxx=355 to 390 in step of 5,  
 RSM120-7-xxxMB, xxx=355 to 390 in step of 5,  
 RSM150-8-xxxM, xxx=465 to 515 in step of 5,  
 RSM150-8-xxxMB, xxx=465 to 515 in step of 5,  
 RSM40-8-xxxM, xxx=385 to 415 in step of 5,  
 RSM40-8-xxxMB, xxx=385 to 415 in step of 5,  
 RSM144-9-xxxM, xxx=525 to 555 in step of 5,  
 RSM144-9-xxxMB, xxx=525 to 555 in step of 5,  
 RSM132-9-xxxM, xxx=485 to 510 in step of 5,  
 RSM132-9-xxxMB, xxx=485 to 510 in step of 5,  
 RSM120-9-xxxM, xxx=440 to 465 in step of 5,  
 RSM120-9-xxxMB, xxx=440 to 465 in step of 5,  
 RSM120-8-xxxM, xxx=575 to 610 in step of 5,  
 RSM120-8-xxxMB, xxx=575 to 610 in step of 5,  
 RSM110-8-xxxM, xxx=525 to 560 in step of 5,  
 RSM110-8-xxxMB, xxx=525 to 560 in step of 5,  
 RSM156-6-xxxBMTG, xxx=410 to 455 in step of 5,  
 RSM144-6-xxxBMTG, xxx=350 to 420 in step of 5,  
 RSM132-6-xxxBMTG, xxx=320 to 385 in step of 5,  
 RSM120-6-xxxBMTG, xxx=295 to 350 in step of 5,  
 RSM120-6-xxxBMTG, xxx=355 to 375 in step of 5,  
 RSM150-8-xxxBMTG, xxx=465 to 515 in step of 5,  
 RSM144-9-xxxBMTG, xxx=525 to 555 in step of 5,  
 RSM132-9-xxxBMTG, xxx=485 to 510 in step of 5,  
 RSM120-9-xxxBMTG, xxx=440 to 465 in step of 5,  
 RSM120-8-xxxBMTG, xxx=575 to 610 in step of 5,  
 RSM110-8-xxxBMTG, xxx=525 to 560 in step of 5,  
 RSM144-6-xxxBMTG, xxx=425 to 450 in step of 5,  
 RSM144-7-xxxBMTG, xxx=425 to 465 in step of 5,  
 RSM120-7-xxxBMTG, xxx=355 to 390 in step of 5,  
 RSM40-8-xxxBMTG, xxx= 385 to 415 in step of 5,  
 RSM132-8-xxxM, xxx=635 to 670 in step of 5,  
 RSM132-8-xxxMB, xxx=635 to 670 in step of 5,  
 RSM132-8-xxxBMTG, xxx=635 to 670 in step of 5  
 xxx is standing for rated output power at STC



Product Service

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## Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500V DC
Fire Safety Class:	Class C according to UL790 Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.
Test Laboratory:	

## Tested according to:

IEC 61215-1:2016  
IEC 61215-1-1:2016  
IEC 61215-2:2016  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN 61215-1:2016  
EN 61215-1-1:2016  
EN 61215-2:2017  
EN IEC 61730-1:2018  
EN IEC 61730-1:2018/AC:2018-06  
EN IEC 61730-2:2018  
EN IEC 61730-2:2018/AC:2018-06

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT