



C E R T I F I C A T E

Certificate No. 16-PPV-0002608/08-TIC

WE HEREBY DECLARE THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

**PM60-6RT-260 & MM60-6RT-300
(Tested Types)**

**And with Types extended for similarity^(*)
- See Annex -**

MANUFACTURER & LICENSE HOLDER

RITEK CORPORATION

No.17, Kuangfu N. Road, Hsin Chu Industrial Park, Taiwan 30351

**IS IN COMPLIANCE WITH THE REQUIREMENTS SET OUT IN CERTIFICATION PROGRAM
TIC-PR-PC-08-Annex 13 Product certification scheme PV
IEC 61215: 2005**

Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval
IEC 61730-1:2004 + A1:2011 + A2:2013 & IEC 61730-2:2004 + A1:2011^()**

Photovoltaic (PV) module safety qualification

To be used in plants at a total voltage up to: 1000 Vdc (application Class A)

AS RESULT OF THE TEST CARRIED OUT BY

TERTEC LAB. ACCREDITED BY TAF no. 1126

NCKU FIRE PROTECTION AND SAFETY RESEARCH CENTER ACCREDITED BY TAF no. 0761

**REPORT No. TIC- PVT20150034-Q, TIC- PVT20150034-S, TIC- PVT20150034-T
TIC- PVS20160025-Q, TIC- PVS20160025-S, TIC- PVS20160025-T
TIC- FPSRC-PV0522-IEC-F-02**

Expiring date 01.06.2022

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested types PM60-6RT-260 & MM60-6RT-300. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete test and retest for cell technology change.. **(**)The Fire Test (IEC 61730-2 / MST 23) with test report no FPSRC-PV0522-IEC-F-02 was performed on the test module MM60-6RT-300 by the NCKU Fire Protection and Safety Research Center. Fire class C is assessed.** This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This certificate is valid and can be used only with its annex.



Deutsche
Akkreditierungsstelle
D-ZE-16012-01-00



Bonn, 02.06.2017



Ing. K. Lindenblatt

TÜV INTERCERT Certification Body



C E R T I F I C A T E

Annex of

Certificate No. 16-PPV-0002608/08-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

| Tested Type | Cell Number | Cell Size | Cell Technology | Power [W] |
|--------------|-------------|---------------|------------------|-----------|
| PM60-6RT-260 | 60 | 156*156 | Poly Crystalline | 260 |
| MM60-6RT-300 | 60 | 156.75*156.75 | Mono Crystalline | 300 |

Types extended for similarity* without need of re-testing
(according to IEC61215 "Retesting guideline"):

| Type | Cell Number | Cell Size [mm] | Power [W] |
|----------------------|-------------|----------------|---------------------------------|
| PM60-6RT Series* | 60 | 156*156 | From 230W to 285W with 5W step |
| PM54-6RT Series* | 54 | 156*156 | From 210W to 255W with 5W step. |
| PM48-6RT Series* | 48 | 156*156 | From 185W to 230W with 5W step |
| PM42-6RT Series* | 42 | 156*156 | From 165W to 200W with 5W step |
| PM36-6X6-6RT Series* | 36 | 156*156 | From 135W to 170W with 5W step. |
| PM36-4X9-6RT Series* | 36 | 156*156 | From 135W to 170W with 5W step. |
| MM60-6RT Series* | 60 | 156.75*156.75 | From 270W to 330W with 5W step |
| MM54-6RT Series* | 54 | 156.75*156.75 | From 240W to 295W with 5W step |
| MM48-6RT Series* | 48 | 156.75*156.75 | From 215W to 260W with 5W step |
| MM42-6RT Series* | 42 | 156.75*156.75 | From 185W to 230W with 5W step |
| MM36-6X6-6RT Series* | 36 | 156.75*156.75 | From 160W to 195W with 5W step |
| MM36-4X9-6RT Series* | 36 | 156.75*156.75 | From 160W to 195W with 5W step |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested types PM60-6RT-260 & MM60-6RT-300. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete test and retest for cell technology change.. (**)The Fire Test (IEC 61730-2 / MST 23) with test report no FPSRC-PV0522-IEC-F-02 was performed on the test module MM60-6RT-300 by the NCKU Fire Protection and Safety Research Center. Fire class C is assessed. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This certificate is for type approval and based on voluntarily product test and with Factory Inspection. This certificate is valid and can be used only with its annex.



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