

DECLARATION OF CONFORMITY

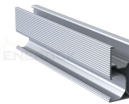
According to DIN EN 1090 and the Declaration of Performance according to EU regulations,
305/2011 appendix III (Construction Product Regulations)

Manufacturer: Xiamen Enerack Technology Co.Ltd.

203A, Norinco business plaza, NO.6, Huli District, Xiamen, China

Herewith declares Xiamen Enerack Technology Co.Ltd.,
that the construction product with the following description and declaration;

Product description:
ENERACK 52MM RAIL ERK-R52



1.Chemical Composition Analysis:

Test Method: GB/T 7999-2015

Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al (Remainder)
Req.,%	0.6 ~0.9	≤0.35	≤0.10	≤0.10	0.40 ~0.6	≤0.10	≤0.10	≤0.10	Remainder
Result ,%	0.62	0.13	<0.01	<0.01	0.53	<0.01	0.010	0.017	98.6
Conclusion	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	---

Is in conformity with the technical requirements of the following EC – Directives, if it is installed
in accordance with the product documentation and the installation manual.

Standard EN ISO 12100:2010 related to CE Directive(s): 2006/42/EC, Regulation (EU) NR. 305/2011 of
the European Parliament and of the Council of 09. March 2011, laying down harmonized conditions for the
marketing of the construction products and repeal of Council Directive 89/106/ EEC building regulations.

Xiamen Enerack Technology Co.Ltd. declares also that for calculations and design the following
norms were used.

Managing Director:



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According to DIN EN 1090 and the Declaration of Performance according to EU regulations,
305/2011 appendix III (Construction Product Regulations)

Manufacturer: Xiamen Enerack Technology Co.Ltd.

203A, Norinco business plaza, NO.6, Huli District, Xiamen, China

Herewith declares Xiamen Enerack Technology Co.Ltd.,
that the construction product with the following description and declaration;

Product description:
ENERACK 41MM RAIL ERK-R41-2



1.Chemical Composition Analysis:

Test Method: GB/T 7999-2015

Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al (Remainder)
Req.,%	0.6 ~0.9	≤0.35	≤0.10	≤0.10	0.40 ~0.6	≤0.10	≤0.10	≤0.10	Remainder
Result ,%	0.62	0.13	<0.01	<0.01	0.53	<0.01	0.010	0.017	98.6
Conclusion	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	---

Is in conformity with the technical requirements of the following EC – Directives, if it is installed
in accordance with the product documentation and the installation manual.

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Xiamen Enerack Technology Co.Ltd. declares also that for calculations and design the following
norms were used.

Managing Director:



DECLARATION OF CONFORMITY

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305/2011 appendix III (Construction Product Regulations)

Manufacturer: Xiamen Enerack Technology Co.Ltd.

203A, Norinco business plaza, NO.6, Huli District, Xiamen, China

Herewith declares Xiamen Enerack Technology Co.Ltd.,
that the construction product with the following description and declaration;

Product description:
ENERACK 62MM RAIL ERK-R62



1.Chemical Composition Analysis:

Test Method: GB/T 7999-2015

Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al (Remainder)
Req.,%	0.6 ~0.9	≤0.35	≤0.10	≤0.10	0.40 ~0.6	≤0.10	≤0.10	≤0.10	Remainder
Result ,%	0.62	0.13	<0.01	<0.01	0.53	<0.01	0.010	0.017	98.6
Conclusion	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	---

Is in conformity with the technical requirements of the following EC – Directives, if it is installed
in accordance with the product documentation and the installation manual.

Standard EN ISO 12100:2010 related to CE Directive(s): 2006/42/EC, Regulation (EU) NR. 305/2011 of
the European Parliament and of the Council of 09. March 2011, laying down harmonized conditions for the
marketing of the construction products and repeal of Council Directive 89/106/ EEC building regulations.

Xiamen Enerack Technology Co.Ltd. declares also that for calculations and design the following
norms were used.

Managing Director:





Certificate of Compliance

No. 0P220720.XETTT51

Test Report / Technical Construction File no. MD-TCF-220718-39950

Certificate's
Holder:

Xiamen Enerack Technology Co., Ltd.
203A, No.6 Huli Avenue, Huli District, Xiamen, China

Certification ECM
Mark:



Product:
Model(s):

Enerack Ballasted-PRO Mounting System
ERK-BPF-10, ERK-BPR-10, ERK-BPF-15,
ERK-BPR-15

Verification to:

Standard:
EN ISO 12100:2010

related to CE Directive(s):
2006/42/EC (Machinery)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 20 July 2022

Expiry date: 19 July 2027

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

Certificate of Conformity of the Factory Production Control

1029 – CPR – CN23/00005219

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Aluminium Structures, described in annex.

placed on the market under the name or trade mark of
Xiamen Enerack Technology Co., Ltd.
203A, NO.6 Huli Avenue, Huli District, Xiamen, P.R. China

and produced in the manufacturing plant
CN/IND/280358

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

EN 1090-1:2009+A1:2011

under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements

This certificate is valid from 15 December 2023 until 15 October 2026, and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Issue 2. Certified with SGS since 16 October 2023



Authorised by	Authorised by
Luis Neves	Luis Santos
Certification Management	Certification Management

SGS ICS – Serviços Internacionais de Certificação, Lda., Notified Body 1029
Polo Tecnológico de Lisboa, Rua Cesina Adães Bermudes, lote 11, nº 1, 1600-604 Lisboa – Portugal
t +351 217104200 Email: pt.info@sgs.com - www.sgs.pt



C0001
ISO/IEC 17065
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Certificate of Conformity of the Factory Production Control 1029 – CPR – CN23/00005219

SGS

Annex 1

Product(s): Aluminium Structures.

Description	Aluminium structural components
Aluminium Type	EN AW-6005 according to EN 15088
Complementary Non-Harmonised Standard of Technical Requirements	EN 1090-3:2019
Execution Class	EXC2
Method of Declaration acc. to table A.1 of EN 1090-1	Method 3a
Welding Process	Not applicable
Durability	No performance declared



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Product Service

CERTIFICATE

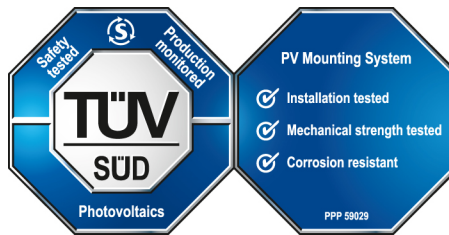
No. Z2 107999 0001 Rev. 00

Holder of Certificate: Xiamen Enerack Technology Co., Ltd.

203A, NO.6 Huli Avenue
Huli District
361006 Xiamen
PEOPLE'S REPUBLIC OF CHINA

Production Facility(ies): 108023

Certification Mark:



Product: Photovoltaic (PV) Mounting System
Model(s): Tile roof mounting system

Parameters:
Construction site: Germany, the site altitude above sea level is less than 285m.
Snow conditions: Snow district: Zone 2
Wind zone: Wind zone 2
Max height of building: 18m
Angle of system: 30°

Tested according to: PPP 59029A:2013

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

Test report no.: 703002003501-00

Valid until: 2025-05-24

Date, 2020-05-25

(Neko (Yubin) Ding)

TEST REPORT

No. : XMIN2203001895ML

Date : Mar 10, 2022

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scan to see the report



XMIN2203001895ML

CUSTOMER NAME: XIAMEN ENERACK TECHNOLOGY CO., LTD.
ADDRESS: 203A ,NO.6, HULI AVENUE, HULI DISTRICT, XIAMEN, FUJIAN,
CHINA

Sample Name : RAIL
Material and Mark : AL6005-T5

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : Mar 03, 2022
Testing Start Date : Mar 03, 2022
Testing End Date : Mar 10, 2022
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co. , Ltd Xiamen Branch
Testing Center

Hank Li
Authorized signatory



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Xiamen Branch Testing Center-Materials Laboratory

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中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5761588 f (86-592) 5765380 e sgs.china@sgs.com

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1. Chemical Composition Analysis:

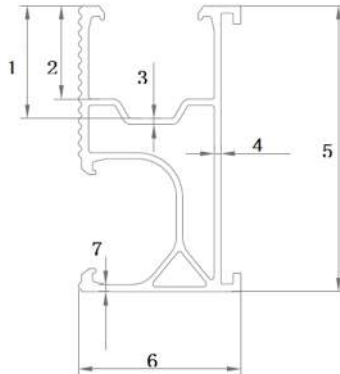
Test Method: GB/T 7999-2015

Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al (Remainder)
Req.,%	0.6 ~0.9	≤0.35	≤0.10	≤0.10	0.40 ~0.6	≤0.10	≤0.10	≤0.10	Remainder
Result ,%	0.62	0.13	<0.01	<0.01	0.53	<0.01	0.010	0.017	98.6
Conclusion	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	---

Note: The requirement is extracted from 6005 in GB/T 3190-2020

2. Dimension Measurement:

Test No.	Result(mm)			
	1	2	3	Average(mm)
1	17.01	16.98	16.99	16.99
2	20.48	20.51	20.39	20.46
3	1.02	1.00	1.00	1.01
4	1.140	1.140	1.144	1.141
5	52.09	52.09	52.11	52.10
6	29.55	29.55	29.56	29.55
7	1.202	1.197	1.200	1.200



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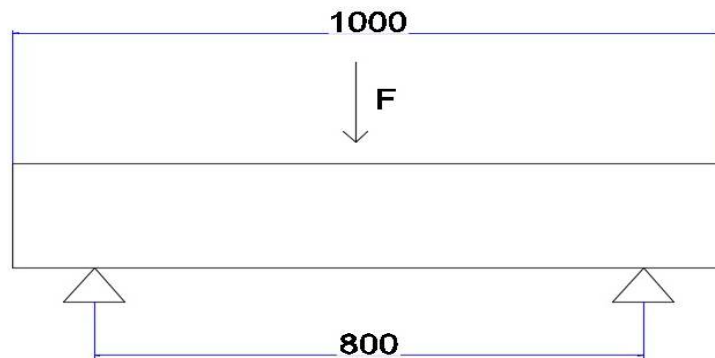
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3. Compression test:

Test method: A according to the client's requirements, put the sample on the supports with span 800mm. Load the compress force as a rate of 5mm/min till damaged. Record the maximum force.

Test schematic:



Test Result:

Test item	Maximum force (N)
Result	4231



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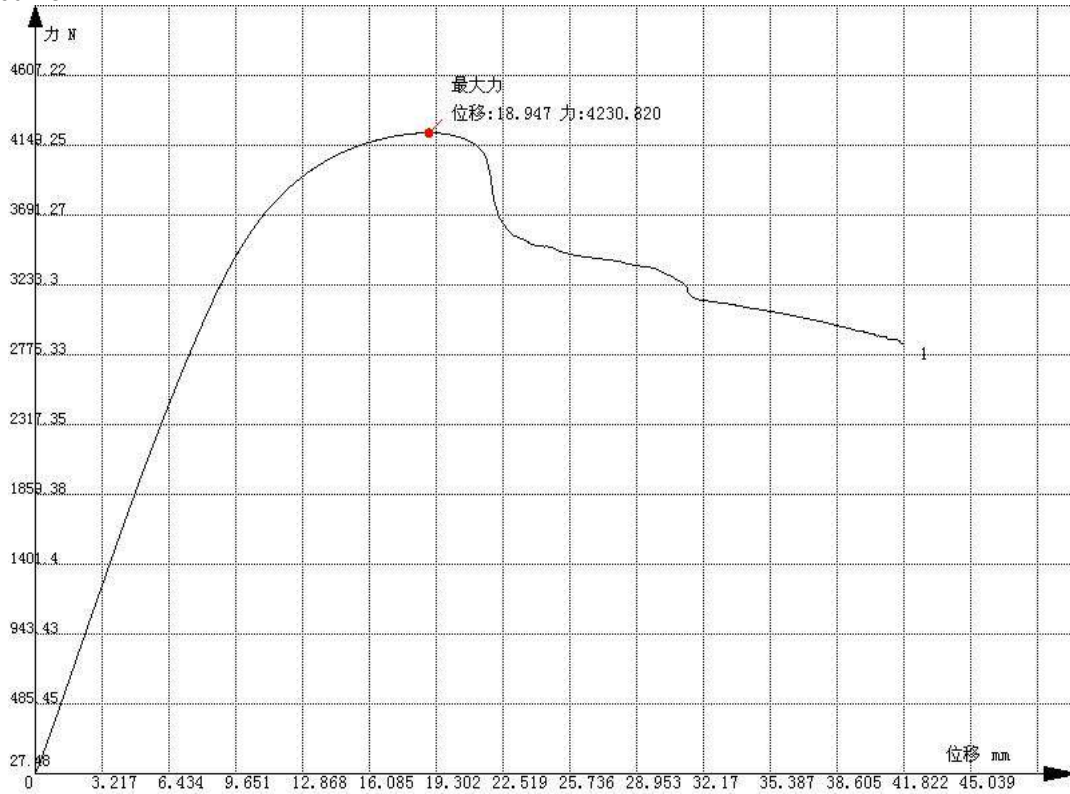
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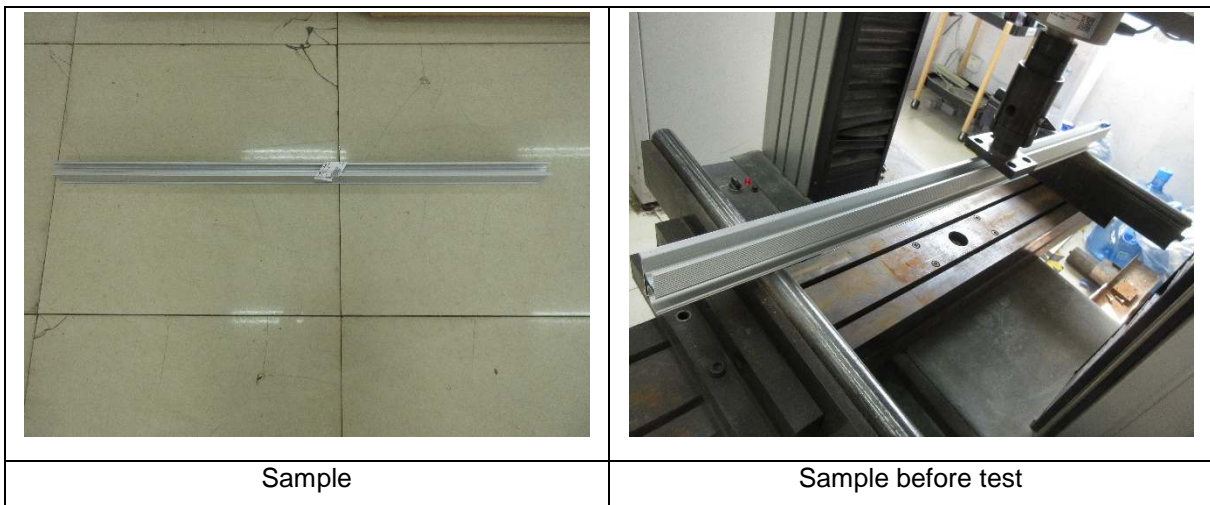
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Test curve:



Original Sample Photo:



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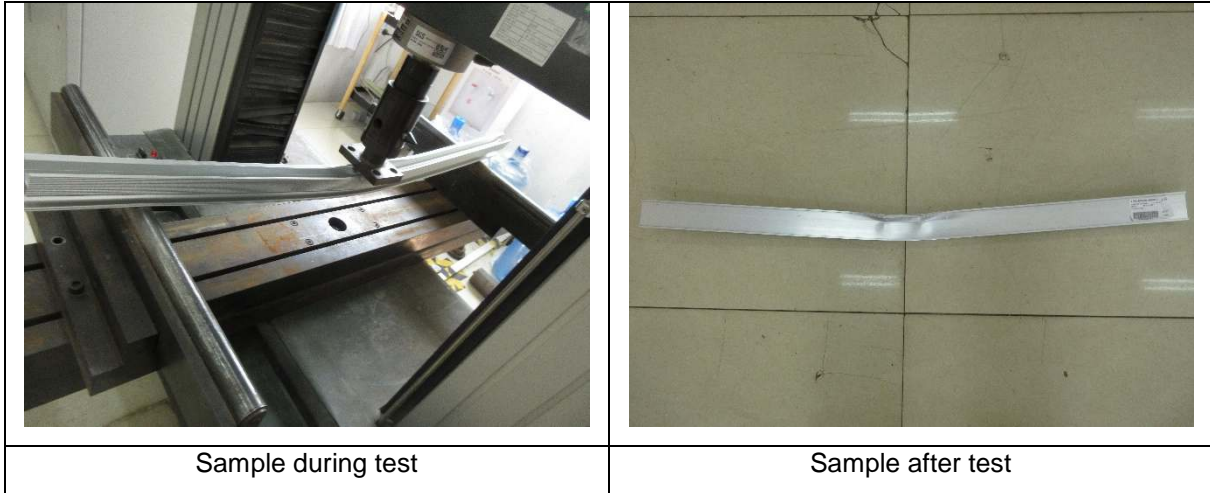
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***** End of report*****



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