

Certificate Number: AZ 69025897

Page: 0001



CERTIFICATE OF APPROVAL

Authorised marking: TUV-025897-EA

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under the Gas and Electricity (Consumer safety) Act 2017 as a declared Recognised External Approval Scheme (REAS). The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder shall use the above mentioned authorised marking. The certificate holder may use the Regulatory Compliance Mark (RCM) provided all the requirements of AS/NZS 4417.1 & AS/NZS 4417.2 applicable to the article are fulfilled.

CERTIFICATE HOLDER:

ProJoy Electric Co., Ltd.
XinTang Industrial Zone,
North-city Street,
PingJiang District
Suzhou
215000 Jiangsu
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:

DC ISOLATOR

Product:

PV Switch-disconnector

Trade Name / Manufacturer:

PROJOY

Model Number:

PEDSC100R-EL32 , PEDSC120R-EL32

Ratings:

Uimp=8kV; Ui=1500V; No polarity; 4 Layers;
Icw=1000A, 1s; Icm(peak)=1000A; DC-PV2;
I(make)/Ic(break)=4xIe; IP66NW
Refer to CONTINUATION SHEET 1-2 for further details

Standard:

AS 60947.3:2018
AS/NZS IEC 60947.1:2015

Issue Date:

01/04/2022

Expiry Date:

01/04/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Grant Li



Acc. No. Z2870404AA
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Certificate Number: AZ 69025897

Page: 0002



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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Rated current based on connection:

1) For PEDSC100R-EL32:

Circuit configuration code 2/4:

Ue=300V, Ie=32A; Ue=600V, Ie=32A; Ue=800V, Ie=16A;

Ue=1000V, Ie=9A

Circuit configuration code 4T/4B/4S:

Ue=300V, Ie=32A; Ue=600V, Ie=32A; Ue=800V, Ie=32A;

Ue=1000V, Ie=32A

2) For PEDSC120R-EL32:

Circuit configuration code 2/4:

Ue=300V, Ie=32A; Ue=600V, Ie=32A; Ue=800V, Ie=16A;

Ue=1000V, Ie=9A; Ue=1200V, Ie=9A

Circuit configuration code 4T/4B/4S:

Ue=300V, Ie=32A; Ue=600V, Ie=32A; Ue=800V, Ie=32A;

Ue=1000V, Ie=32A; Ue=1200V, Ie=32A

Issue Date: 01/04/2022

Expiry Date: 01/04/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read 'Grant Li'.

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Certificate Number: AZ 69025897

Page: 0003



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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Classified as:

'Enclosed outdoor' with a dedicated individual enclosure

Enclosure with switch, after installation: IP66NW

Ithe Solar at 40°C: 32A; Ithe Solar at 60°C: 29A.

Tested enclosure: Empty enclosure

Min. enclosure size: 180mm × 110mm × 98mm, (W x H x D),

Material: PC

Min. thickness: 3mm

DC isolator can be installed in PCE and classified as

Enclosed outdoor, suitable for installation exposed to sunlight as per AS/NZS 5033 with below conditions:

- DC isolator cannot be installed within an enclosure smaller than 180mm × 110mm × 98mm, (W x H x D).
- DC isolator need to be tested within the PCE for IP test.
- DC isolator need to be tested within the PCE for

"Temperature rise verification with solar effects".

- DC isolator need to be tested in PCE for all the PCE related standards testing.

Issue Date: 01/04/2022

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