IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx TPS 25.0022X**

Certificate history:
Issue 0 (2025-09-02)

Status: **Current**

Issue No: 1

Date of Issue: 2025-10-01

Applicant: **JCE (Europe) Limited**
East Way
Lee Mill Industrial Estate
Ivybridge
Devon
PL21 9LL
United Kingdom

Equipment: **Solar Panel SPB series**

Optional accessory:

Type of Protection: **Ex eb mb**

Marking: Ex eb mb IIC T4 Gb

-20°C ≤ Ta ≤ 60°C

Approved for issue on behalf of the IECEx Certification Body: **Dipl.-Ing. Ulrich Jacobs**

Position: **Technical Certifier**

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

TÜV SÜD Product Service GmbH
Ridlerstr. 65
D-80339 Munich
Germany

Product Service

IECEx Certificate of Conformity

Certificate No.: **IECEx TPS 25.0022X**

Date of issue: 2025-10-01

Issue No: 1

Manufacturer:
JCE (Europe) Limited
East Way
Lee Mill Industrial Estate
Ivybridge
Devon
PL21 9LL
United Kingdom

Manufacturing locations:
JCE (Europe) Limited
East Way
Lee Mill Industrial Estate
Ivybridge
Devon
PL21 9LL
United Kingdom

JCE Group (UK) Limited
Blackburn Business Park
Aberdeen
AB21 0PS
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/TPS/ExTR25.0066/00

Quality Assessment Reports:

GB/ITS/QAR11.0014/07 GB/SIR/QAR10.0001/10

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Model	Umax (V)	Imax (A)
SPB-230	22.3	8.78
SPB-250	29.5	8.58
SPB-255	36.9	9.09
SPB-260	33.2	8.78
SPB-280	38.3	9.26
SPB-365	49.1	9.17
SPB-XX/XX	Note 1	Note 2

Note 1:

Umax shall be the value specified by the manufacturer provided the voltage does not exceed Umax value of the SPB-365

Note 2:

Imax shall be the value specified by the manufacturer provided the current does not exceed Imax value of the SPB-365

SPECIFIC CONDITIONS OF USE: YES as shown below:
The solar panel and any panels connected in series with it shall be covered in opaque material and the load disconnected prior to the terminal compartment being opened.
The total system voltage shall not exceed 800V DC
The instructions provides guidance for the user to minimize the risk from electrostatic discharge (Clean only with damp cloth)

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Added QAR from additional manufacturing location