



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 DNV 26.0049X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-08-31

Applicant: **POWERFLOW CONTROL CO., LTD.**
Room 201-1, Unit F, Building 3, No.8, Nine XiYuan Road, XiHu,
Hangzhou
China

Equipment: **IP6000 Series Intelligent Valve Positioner**

Optional accessory:

Type of Protection: **Ex ia**

Marking: **Ex ia IIC T6 Ga or Ex ia IIC T4 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2026-08-31

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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **POWERFLOW CONTROL CO., LTD.**
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Manufacturing locations: **POWERFLOW CONTROL CO., LTD.**
Room 201-1, Unit F, Building 3, No.8,
Nine XiYuan Road, XiHu,
Hangzhou
China

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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

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:

[NO/DNV/ExTR26.0079/00](#)

Quality Assessment Report:

[NO/DNV/QAR25.0023/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of Product

The IP6000 Series intelligent valve positioner includes three basic configurations including normal version, remote version and separate version.

The normal version intelligent valve positioner consists of an aluminum enclosure (main enclosure) including upper cover and bottom enclosure. The piezoelectric module, angle sensor, control board and optional current feedback board are installed inside the enclosure.

The remote version intelligent valve positioner consists of the main enclosure and the remote transmission shell which are connected together by a cable. The piezoelectric module, control board and optional current feedback board are installed inside the main enclosure, the remote adaptor board and the sliding rheostat are installed inside the remote transmission shell.

The separate version intelligent valve positioner consists of the main enclosure and the separate sensor enclosure which are connected together by a cable. The piezoelectric module, control board and optional current feedback board are installed inside the main enclosure, the sliding rheostat is installed inside the separate sensor enclosure.

For products without current feedback board, only one intrinsically safe circuit (input signal circuit) is included. For the products with optional current feedback board, two separate intrinsically safe circuits (input signal circuit and output signal circuit) are included.

Type Designation

See annex.

Electrical Data

See annex.

Safety parameters

See annex.

Degrees of Protection (IP Code)

IP66

Ambient temperature:

-40 °C to +40 °C or -20 °C to +40 °C for T6

-40 °C to +80 °C or -20 °C to +80 °C for T4

Routine tests

- Visual verification shall be carried out on the encapsulation according to clause 10.4 of IEC 60079-11:2023.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Products with aluminum enclosures can not be installed in zone 0 unless there is no ignition hazard due to impact or friction.

- For application of fixed installation of the products IP6000-S..., the end user shall follow the guidance in the instruction manual to minimize the risk of electrostatic discharge for the products.

Annex:

[IECEX DNV 26.0049X_issue 0_annex.pdf](#)

Type designation

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Electrical Data

Input signal current: 4~20 mA d.c.

Input power: $\leq 0.3W$

Output signal voltage for products of feedback signal version: 14~28 V d.c.

Output signal current for products of feedback signal version: 4~20 mA d.c.

Safety parameters

Intrinsically safe circuit	Ui	Ii	Pi	Ci	Li
Input signal	28 V	93 mA	0.66 W	0	0
Output signal					