



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx CCVE 19.0001X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-02-22\)](#)

Status: **Current**

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Date of Issue: **2019-02-22**

Applicant: **"ZAVOD GORELTEX" Co. Ltd.**  
195176, Saint Petersburg, Revolutsii road, 18, lit. A  
**Russian Federation**

Equipment: **Flameproof power supply SHGV...**

*Optional accessory:*

Type of Protection: **Flameproof enclosure "d", protection by enclosure "t"**

Marking:

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

IP66

*Approved for issue on behalf of the IECEx  
Certification Body:*

Alexander Zalogin

*Position:*

Head of CB CCVE

*Signature:  
(for printed version)*

*Date:*

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 the [Official IECEx Website](#).

Certificate issued by:

**NANIO CCVE**  
**Zavod ECOMASH, VUGI Settlement**  
**Lyubertsy, Moscow region**  
**140004**  
**Russian Federation**





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Manufacturer: **"ZAVOD GORELTEX" Co. Ltd.**  
193149, Novosaratovka township area, liter A, Vsevolzhsky district, Leningrad region  
**Russian Federation**

Additional Manufacturing location(s):

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 apparatus 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical 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:

[RU/CCVE/ExTR19.0003/00](#)

Quality Assessment Report:

[RU/CCVE/QAR16.0004/00](#)

[RU/CCVE/QAR16.0004/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Flameproof power supply SHGV...is intended for DC voltage supply to electrical equipment.

Enclosure of power supply is made of aluminum alloy. Certified control element is installed in the enclosure for power control of storage battery placed inside. A window may be mounted for indication of equipment operation. Heater is used in product structure for provision of uninterrupted operation at subzero temperatures. Power supply is protected against short circuit, against temperature rise and against overload by fuse.

Technical characteristics:

Input: 220-230 V AC 50/60 Hz or 12-36 V DC.

Output: 12 V DC.

Degree of protection (IEC 60529): IP66.

Ambient temperature range, C°: minus 50... + 60.

Main technical characteristics and structure of designation are given in the operation, safety and maintenance manual LGSA.1.021.2018.

Power supply can be applied with IECEx certified light fixtures manufactured by "ZAVOD GORELTEX" Co. Ltd. Connection of power supply and a light fixture is carried out via a certified adapter for encapsulation with compound.

The equipment can have additional designation "QFM..." or "UVG..." in accordance with "ZAVOD GORELTEX" Co. Ltd. classifier.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The cable glands and other devices which can be installed are subject to a separate certification as Ex-equipment and they shall not invalidate the type of protection and IP degree of protection and shall correspond to connecting thread, its size and type of inserted cable.
2. Unused openings shall be closed with plugs certified as equipment which does not invalidate the type of explosion protection of the power supply.
3. Connection of power supply to other devices shall be in accordance with the requirements of IEC 60079-14 and the operation, safety and maintenance manual LGSA.1.021.2018.
4. Electrical mains shall be de-energized before the connection to the power supply.
5. The power supply shall be turned off before the connection to electrical equipment.