



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 23.0029X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-06-23

Applicant: **Shenzhen Goaltek Electric Co., Ltd.**
1901, Building 1, COFCO Yunjing Plaza, Intersection of Songbai Road and Chuangwei Road, Gongming Street,
Guangming New District,
Shenzhen
China

Equipment: **ExMP21N/R, ExMP31N/R, ExMP32N/R Explosion-proof torch**

Optional accessory:

Type of Protection: **Ex ia, Ex ib**

Marking: **ExMP21N:** **ExMP21R, ExMP31R, ExMP32R:**
Ex ia I Ma Ex ib I Mb
Ex ia IIC T4 Ga or Ex ia IIC T3 Ga Ex ib IIC T4 Gb
Ex ib IIIB T130°C Db Ex ib IIIB T130°C Db

ExMP31N, ExMP32N:
Ex ia I Ma
Ex ia IIB T4 Ga or Ex ia IIB T3 Ga
Ex ib IIC T4 Gb or Ex ib IIC T3 Gb
Ex ib IIIB T130°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **Shenzhen Goaltek Electric Co., Ltd.**

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Guangming New District,
Shenzhen
China

Manufacturing
locations:

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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/ExTR23.0036/00](#)

Quality Assessment Report:

[NO/DNV/QAR23.0010/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of Product:

The ExMP21N Ex torch consists of a plastic enclosure in which one LED light source, two primary cells, several circuit boards are installed inside.

The ExMP31N Ex torch consists of a plastic enclosure in which one LED light source, three primary cells, several circuit boards are installed inside.

The ExMP32N Ex torch consists of head and body, the head can rotate with some angle around the shaft/hole in the body. The LED light sources are installed inside the head and three primary cells, several circuit boards are installed inside the body.

The ExMP21R Ex torch consists of a plastic enclosure in which one LED light source, a battery pack (one Lithium Ion secondary cell), several circuit boards are installed inside.

The ExMP31R Ex torch consists of a plastic enclosure in which one LED light source, a battery pack (one Lithium Ion secondary cell), several circuit boards are installed inside.

The ExMP32R Ex torch consists of head and body, the head can rotate with some angle around the shaft/hole in the body. The LED light sources are installed inside the head and a battery pack (two Lithium Ion secondary cells connected in parallel), several circuit boards are installed inside the body.

For ExMP21R, ExMP31R and ExMP32R, the product can be charged on the charging base (charger) separately or through an integrated charging system.

Type designation

See annex

Electrical Data

ExMP21N:

Rated voltage: 1.5 V d.c. x 2

ExMP21R, ExMP31R:

Um (for charging): 5 V d.c.

Rated voltage of battery pack: 3.6 V d.c.

Rated capacity of battery pack: 3350 mAh

ExMP31N, ExMP32N:

Rated voltage: 1.5 V d.c. x 3

ExMP32R:

Um (for charging): 5 V d.c.

Rated voltage of battery pack: 3.6 V d.c.

Rated capacity of battery pack: 6700 mAh

Degrees of protection (IP Code)

IP66, IP67 (1 m, 30 min)

Ambient temperature:

Products ExMP21N, ExMP31N and ExMP32N:

-40°C to +50°C for I Ma, T4 Ga, T4 Gb and T130°C Db

-40°C to +55°C for I Ma, T3 Ga, T3 Gb and T130°C Db

Products ExMP21R, ExMP31R and ExMP32R:

-40°C to +55°C

Routine tests

None

SPECIFIC CONDITIONS OF USE: YES as shown below:

See annex

Annex:

[IECEX DNV 23.0029X_issue 0_annex.pdf](#)

Annex to certificate: IECEx DNV 23.0029X Issue 0

Type designation

Ex	M	P	□	□	
					Type of cell: N: Primary cell R: Secondary cell Lamp type: 21: Torch (miniature) 31: Torch (middle) 32: Torch (middle) Case material: P: Plastic Mobile Ex product

Specific Conditions of Use:

For products ExMP21N, ExMP31N and ExMP32N:

- Use only DURACELL or Panasonic LR6 cells.
- Do not disassemble the product or replace cells when an explosive atmosphere is present.

For products ExMP21R, ExMP31R, ExMP32R:

- Do not charge the product in hazardous location.
- The charger shall be SELV or PELV certified with output voltage of maximum 5 V d.c..
- Do not disassemble the product or replace the battery pack in hazardous location.
- Use only respective replaceable battery pack for below products:

Product type	Battery pack
ExMP21R	18650-1S1P-02
ExMP31R	18650-1S1P-01
ExMP32R	18650-1S2P-01