



# 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](http://www.iecex.com)

Certificate No.: **IECEX DNV 23.0031X** 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: **ExMP61R-1, ExMP61R-2 Explosion-proof headtorch**

Optional accessory:

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

Marking:

<b>ExMP61R-1:</b> Ex ia I Ma IEC 60079-35-1 Ex ia IIB T4 Ga Ex ib IIC T4 Gb Ex ib IIIB T130°C Db	<b>ExMP61R-2:</b> Ex ia IIB T4 Ga Ex ib IIC T4 Gb Ex ib IIIB T130°C Db
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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.
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Certificate issued by:

**DNV Product Assurance AS**  
Veritasveien 1  
1363 Høvik  
Norway





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**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

[IEC 60079-35-1:2011](#) Explosive atmospheres – Part 35-1: Caplights for use in mines susceptible to firedamp – General requirements –  
Edition:1.0 Construction and testing in relation to the risk of explosion

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/ExTR23.0038/00](#)

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 ExMP61R Ex headtorch 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 (up to two Lithium Ion secondary cells connected in parallel), several circuit boards are installed inside the body.

The product can be charged on the charging base (charger) separately or through an integrated charging system.

### Type designation

See annex.

### Electrical Data

#### ExMP61R-1:

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

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

Rated capacity of battery pack: 3350 mAh

#### ExMP61R-2:

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:

-40°C to +55°C

### Routine tests

None

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

- 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
ExMP61R-1	18650-1S1P-03
ExMP61R-2	18650-1S2P-01

### Annex:

[IECEX DNV 23.0031X\\_issue 0\\_annex.pdf](#)

Annex to certificate: IECEx DNV 23.0031X Issue 0

Type designation

Ex	M	P	□	□	-	□	
							<b>Number of cell in the battery pack:</b> 1: One cell 2: Two cells
							<b>Type of cell:</b> R: Secondary cell
							<b>Lamp type:</b> 61: headtorch
							<b>Case material:</b> P: Plastic Mobile
							Ex product