

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 24 ATEX 77602X** **Issue 0**

[4] Product: **CL-SIR-CLS-X Miner lamp**

[5] Manufacturer: **Golden Future Enterprise HK Ltd.**

[6] Address: **Rm 17E, ZhuJiang International Center, Long Gang District, Shenzhen City, China 518172**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60079-35-1:2011.**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

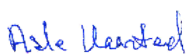
[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **I M1 Ex ia I Ma EN 60079-35-1**

Date of issue:
2025-04-02




Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.



[13] **Schedule**

[14] **EU-Type Examination Certificate No.:** DNV 24 ATEX 77602X Issue 0

[15] **Description of Product**

The CL-SIR-CLS-X Miner lamp consists of a plastic enclosure with two LED light sources, a battery pack and a circuit board installed inside, and there are four switches on the sides of the enclosure. The battery pack includes two Lithium Ion secondary cells connected in parallel and one battery protection board.

Type designation

CL-SIR-CLS-X

Electrical Data

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

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

Degrees of protection (IP Code)

IP68 (1.2 m, 1 h)

Ambient temperature:

-20°C to +40°C

Routine tests

None

[16] **Report No.:** 2024-8199, Rev. 00
Project No.: PRJN-188582-2020-PA-CHN

[17] **Specific Condition(s) of Use**

- 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 replaceable battery pack BP02.
- After the back cover is fastened to the housing, the ends of the screws must be sealed according to the instruction manual to retain the degree of protection.

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
CL-SIR-CLS-X-00	CL-SIR-CLS-X Overall Assembly	A0	2024.11.19
CL-SIR-CLS-X-01	CL-SIR-CLS-X SCH (Schematic)	A1	2024.09.02
CL-SIR-CLS-X-11	Battery Pack	A0	2024.11.19
CL-SIR-CLS-X-10	Electrical connection	A0	2024.09.02
CL-SIR-CLS-X-03	CL-SIR-CLS-X BAT PCB layout	A1	2024.11.19
CL-SIR-CLS-X-02	CL-SIR-CLS-X main PCB layout	A1	2024.11.19
QP-RD-23002	Electronic Components list	0	2024.11.19
CL-SIR-CLS-X-12	Back cover marking	A0	2024.11.19

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2025-04-02	2024-8199, Rev. 00

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

END OF CERTIFICATE

