

(1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

TÜV 22 ATEX 8888 X

Issue: 00

- (4) Equipment: **Portable rechargeable LED lamp / type PL-AT800**
- (5) Manufacturer: **Powerline Industrial Limited.**
- (6) Address: **Unit A,10/F,Lockhart Centre,301-307 Lockhart Road,Wanchai,Hong Kong**

- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex8888.00/22

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018

EN 60079-11:2012

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



II 2 G Ex ib IIC T4 Gb

II 2 D Ex ib IIIC T150°C Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2022-10-07

Dipl.-Ing. Klauspeter Graffi

This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **EU Type Examination Certificate**
TÜV 22 ATEX 8888 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Portable rechargeable LED lamp / type PL-AT800

15.2 Description / Details of Change

General product information

PL-AT800 is a portable rechargeable LED lamp.

The lamp is operated with one switch which turns on / off the light and dim the light. The electronic circuit and the battery are housed in a plastic enclosure which is made of Polycarbonate (PC)- RTP 399 X 133887 or Stat-tech PC SZ3223703.

PL-AT800 is powered by four Lithium battery type FRT-FB2S02A or type MC-NCR2S2P (cell type PANASONIC 18650, capacity: 5800mAh), which has a maximum open circuit voltage of 8.4V, and the maximum short circuit current is limited to 0.8A by the protection circuit of the Lithium battery.

Technical Data

Electrical data

I.S Parameters:

Um=12V(Charger input)

Ui:8.4V

Ii:800mA

Pi:6.72W

Environmental data

Tamb:0°C to +40°C

IP Rating:IP20

(16) Test-Report No. GC/Ex8888.00/22

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(17) Special Conditions for safe use

1. The equipment PL-AT800 must be protected from mechanical impacts. If damages occurred, the equipment must be removed from the hazardous area immediately.
2. The non-metallic parts of the enclosure shall not exposed to frequent temperature changes.
3. Warning markings:
 - a)WARNING -DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
 - b)WARNING –DO NOT OPEN WHEN ENERGIZED
 - c)WARNING –DO NOT CHARGE THE BATTERY IN HAZARDOUS LOCATION
 - d)WARNING –USE ONLY FRT-FB2S02A or MC-NCR2S2P BATTERIES
 - e)WARNING –ONLY USE SPECIFIED Powerline CHARGER ADAPTOR AND CHARGING STATION FOR CHARGING PURPOSE

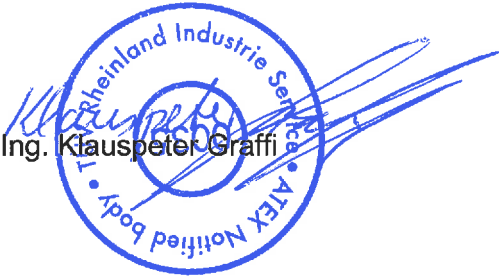
(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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