



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

Certificate No.: IECEx SIR 15.0062X Issue No: 0 Certificate history:
Issue No. 0 (2015-06-30)

Status: **Current** Page 1 of 3

Date of Issue: **2015-06-30**

Applicant: **Daysun Technology Ltd**
No. 1, Alley 2
Lane 110
Sec. 4, Hsi-men Rd.
North District, Tainan City 704
Taiwan

Electrical Apparatus: **Flashlight, Model SF-14**
Optional accessory:

Type of Protection: **Intrinsically Safe**

Marking: Ex ia I Ma Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx
Certification Body:

A C Smith

Position:

Certification Manager

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

Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden
Deeside
CH5 3US
United Kingdom

sira
CERTIFICATION





IECEX Certificate of Conformity

Certificate No: IECEx SIR 15.0062X Issue No: 0
Date of Issue: 2015-06-30 Page 2 of 3
Manufacturer: **Daysun Technology Ltd**
No. 22, Lane 126,
Sec. 4 Hsi-men Rd.
North District, Tainan City, 704
Taiwan

Additional Manufacturing
location(s):

Guangzhou Dashin Optoelectronics & Jewelry Co., Ltd.
No.7, 2 Road, Sandong Industrial Park, Sandong Village, Xinhua Town
Huadu District, Guangzhou City, Guangdong Province
China

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 electrical 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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2014-10 Edition:3.0	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga

*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:

[GB/SIR/ExTR15.0181/00](#)

Quality Assessment Report:

[GB/SIR/QAR15.0007/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The SF-14 is a portable, hand-held intrinsically safe flashlight for use in hazardous locations and powered by four AA size alkaline batteries. It has high and low mode operating functions that allows users to operate with high brightness or long duration lighting. Externally the device comprises: a body assembly, a tail assembly, a cap assembly and a heatsink. Internally, the device comprises three PCBs (BAT PCB, CON PCB and LED PCB), reflector and heatsink. The assembly meets the ingress protection requirements for IP54.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. No precautions against electrostatic discharge are necessary for portable equipment that has an enclosure made of plastic, metal or a combination of the two, except where a significant static-generating mechanism has been identified. Activities such as placing the item in a pocket or on a belt, operating a keypad or cleaning with a damp cloth, do not present a significant electrostatic risk. However, where a static-generating mechanism is identified, such as repeated brushing against clothing, then suitable precautions shall be taken, e.g. the use of anti-static footwear.
2. Only the following batteries may be used in the model SF-14 Flashlight:-

Energizer type E91 alkaline	Duracell type MN1500 alkaline
Rayovac type AL-AA (815) alkaline	Varta type 4906 alkaline