

1. **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. **EC-Type Examination Certificate Number:** ITS09ATEX26130X/2

4. **Equipment or Protective System:** APE9 / APE16 Caplamp

5. **Manufacturer:** Enersys Limited

6. **Address:** Enersys Mining and Special Batteries,
Oak Court,
Clifton Business Park,
Wynne Avenue,
Swinton,
Manchester,
M27 8FF
UK

7. This supplementary certificate extends EC-Type Examination Certificate Number ITS09ATEX26130X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having variations specified in the Schedule attached to this certificate and the documents therein referred to.

Intertek Report 101066526 dated October 2013.

This Supplementary Certificate shall be held with the original Certificate(s).

ITS09ATEX26130X dated 19th March 2009

ITS09ATEX26130X/1 dated 31st January 2011



R J Smith
Certification Officer
14 October 2013

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370977
www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.

VARIATION 2

Description of the Variation to the Equipment or Protective System.

To permit the following change(s): -

- Permit the manufacture of a four cell variant of the caplamp, the APE9
- Extra protection added into the battery protection PCB
- The inclusion of a crowbar circuit, used to provide protection for internal safety components when charging outside the hazardous area

Report No.:

Intertek Report Ref.: 101066526 Dated: October 2013

The changes have amended the Equipment or Protective System marking/description to be: -

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

Ta = 0°C to +40°C

Conditions of Certification:

(a). Special Conditions for safe use

- The metallic section of the caplight enclosure is protected with nickel plating. Regular inspection is required to validate the integrity of the coating. The equipment is not to be used in a hazardous area if severe scratching or chipping of the coating occurs.
- In order to ensure Um:7.2V is not exceeded both the E16 and E9 battery variants should be exclusively charged in the safe area using an Enersys model M656501 charger, which contains the Enersys model M657011 crowbar protection circuit.

(b). Conditions of Manufacture

- A visual inspection of the battery protection board shall be completed to ensure that thermal fuses are correctly mounted.

Essential Health and Safety Requirements (EHSR's)

See original certificate, the listed change to the Equipment or Protective System has not altered compliance.

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: + 44 (0)1372 370900 Fax: +44 (0)1372 370977

www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

This Certificate is the property of Intertek Testing and Certification Ltd and is subject to Intertek Testing and Certification's Conditions for Granting Certification.

Sheet 2 of 3

Drawings and Documents

The drawing list below fully replaces the preceding drawing lists contained within earlier certificate revisions.

Document No.	Sheets	Document Title	Issue	Date
"E9 Bom"	1	Circuit board E9 Battery Components	-	13 th September 13
IntertekATEX33	1	E9 Assembly Drawing	0	29/7/13
IntertekATEX35	1	E9 Fuse Assembly	0	22/8/13
IntertekATEX36	1	E9 PCB Layout	0	12/9/13
IntertekATEX37	1	E9 Label and Cond. of Use	0	14/10/13
"E16 Bom"	1	Circuit board E16 Battery Components	-	8 th August 13
456523CB3	1	Circuit Board E16 Battery	1	08 th Aug 13
262551CB1	1	A type Lamptop Circuit board detail	0	10 th Feb 09
456323F	1	ENCAPSULATED FUSE	0	8 Feb 08
"Crowbar BOM"	1	Crowbar Circuit BOM_Sira	-	19/09/2013
M657011	1	E Type Crowbar	0	2/10/13
IECEx 40	1	APE16 Caplamp M262751 Certification Drawing	2	14th Oct 2013

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: + 44 (0)1372 370900 Fax: +44 (0)1372 370977

www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

This Certificate is the property of Intertek Testing and Certification Ltd and is subject to Intertek Testing and Certification's Conditions for Granting Certification.

Sheet 3 of 3