1 # SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3 Supplementary EU - Type Examination Certificate Number: **Baseefa11ATEX0188/2X**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **iUPS101 Control Unit**

5 Manufacturer: **Extronics Limited**

6 Address: **1 Dalton Way, Midpoint 18, Middlewich, Cheshire, CW10 0HU,**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0188** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, 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.

9 Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11 2013 **EN 60079-1:2014** **EN 60079-7:2015**

except in respect of those requirements listed at item 18 of the Schedule."

12 The marking of the equipment has changed from the original Certificate and shall include the following:

Ⓔx II 2 G Ex db[eb] IIB T6 Gb (-20°C ≤ Ta ≤ +40/55°C*) *see schedule

SGS Baseefa Customer Reference No. **3700** Project File No. **17/0860**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

M POWNEY
Certification Manager

13 **Schedule**

14 **Certificate Number Baseefa11ATEX0188/2X**

15 **Description of the variation to the Product**

Variation 2.1
To allow the component certificates that form the equipment to be updated on the manufacturers drawings.

Variation 2.2
To allow for the inclusion of equipment certified breather/drain valve into the Ex d enclosure

Variation 2.3
To allow for the inclusion of addition electronic components to be located within the Ex d enclosure

Variation 2.4
To allow for the option of including multiple cable entries in accordance with the manufacturers drawing PNC-14-224

Variation 2.5
To allow for a change of certified drawing numbers

Variation 2.6
To allow for the equipment to be assessed against the requirements of EN 60079-0: 2012+A11 2013, EN 60079 1:2014 and EN 60079-7:2015, in respect of the differences from the standards to which the certificate was issued.

The equipment description shall now be as follows:

The iUPS101 Control Unit comprises a Type EJB-61 Enclosure with a rectangular window in the cover as manufactured by F.E.A.M. The cover is secured to the enclosure base by 24 off stainless steel socket head cap screws of grade A2-70.

in addition to the rectangular viewing window, the cover may be fitted with up to 10 push-button actuators or indicator lamps. The underside of the cover is fitted with a control/display module aligned with the actuators and window

The interior of the enclosure comprises an assembly of up to the following component parts/modules, all mounted either from the steel baseplate or on the steel UPS framework:-

a. An Un-interrupted Power Supply (UPS) assembly incorporating :-

i. A UPS Printed Circuit Board.

ii. Three 24V cooling fans.

iii. A large toroidal transformer.

iv. A series of smaller toroidal & current transformers.

v. A coin cell replacement PCB.

b. A battery protection module PCB.

c. Two contactors.

d. Two current sense PCBs.

e. Three input/output circuit protection fuses.

f. Three copper busbars.

The unit is designed to operate from both a 230V a.c. 120V a.c. 24V d.c. or 48V d.c. An external battery pack, gives an uninterrupted output of 230V a.c. at up to 3kVA (together with top-up battery charging).

In addition the unit output may be de-rated for use at different maximum ambient temperatures as follows:-

Maximum output rating	Maximum Ambient
Up to 3kVA	40°C
Up to 2.5kVA	45°C
Up to 2kVA	50°C
Up to 1kVA	55°C

The enclosure base includes multiple cable entries of sizes up to 2" NPT or M63 for the accommodation of flameproof cable entry devices, these maybe used with or without the interposition of a flameproof thread adapter. In addition suitably certified breather drain devices may also be fitted. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and shall be certified as Equipment.

16 Report Number

SGS Baseefa Report No GB/BAS/ExTR17.0369

17 Specific Conditions of Use

1. The widths of the flameproof joints are superior than those specified in tables of 60079-1 standard.
2. It is the responsibility of the installation engineer to ensure that suitably IECEx/ATEX equipment certified gas group IIB cable glands, blanking plugs and breather/drains are installed in accordance with IEC60079-14 to ensure that the IP rating of IP66 is maintain on the Ex d enclosure.
3. During the installation, the user will take into consideration that the windows of the enclosures underwent only a shock corresponding to an energy of a low risk at 2 J.
4. During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk at 2J.
5. "warning, potential electrostatic charging hazard – see instructions

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is affected as follows and is addressed in the report.

Clause	Subject
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
*331106	1	03	01/04/19	Battery protection module certification drawing
*X122508	1-3	1	10/05/19	General assembly certification ATEX/IECEx iUPS101
*X122509	1	1	15/05/19	Label Certification ATEX/IECEx iUPS101
*X122522	1	1	14/05/19	Schematic certification ATEX/IECEx iUPS101 coin cell replacement PCB

Drawing 330478 and 331379 have been removed and replaced with the drawing listed above.

These drawing are common to and held with the technical file associated with IECEx BAS 17.0129X