

(1) EU-TYPE EXAMINATION CERTIFICATE

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU**

(3) **EU Type Examination Certificate Number: KLEX 25 ATEX 0035X**

Issue: 0

(4) **Product: Battery Box, Model no. KPEXXBB Series**

(5) **Manufacturer: KLEEV MIDDLE EAST FZE**

(6) **Address:** Plot No. MO 0767, Street No. N200, Jebel Ali Free Zone (North), Dubai, P.O. Box: 17259. United Arab Emirates

(7) The product and any acceptable variation, thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The certification body KL Exert Certification, notified body No. 3057 in accordance with Article 17 and Article 21 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 product or protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential report no.: KLEX 25/11-005

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018

(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 with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate. Holders of EU type examination certificate are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.

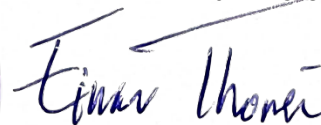
(12) The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

 II 2 G Ex eb IIC T6 Gb (-20 °C ≤ Ta ≤ 55°C)

Managing Director:



Einar Thorén



Date of issue: 16/11/2025



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(13) SCHEDULE

(14) EU - Type Examination Certificate: **KLEX 25 ATEX 0035X** Issue: **0**

(15) Description:

The Battery Box, Model: KPEXXBB Series is designed to house lead-acid or nickel-cadmium secondary batteries (as defined in schedule drawing) which are connected in series with a maximum combined capacity of 3360 Ah.

The batteries are housed in a metallic enclosure which meets IP 66 requirements. The front panel of the enclosure is secured with bolts and can be removed for the purpose of installation.

The cover consists of two parts, the lower of which is secured with two bolts in the front and two hinges at the back to the enclosure and has a wire mesh in the middle which facilitates both ventilation of hydrogen gas and prevention of ingress of dust. The top part of the cover is bolted to the lower part which contains spacers to ensure gap is maintained for the purpose of ventilation of the hydrogen gas.

Model designation: KPE XX BB WWWWW DDDD HHHH

KPE	XX	BB	WWWW	DDDD	HHHH
	Material grade		Width (mm)	Depth (mm)	Height (mm)
Kleev product	01 = ASTM A240 Gr. 304 02 = ASTM A240 Gr. 304L 03 = ASTM A240 Gr. 316 04 = ASTM A240 Gr. 316L 05 = EN 10025-2 Gr. S235JR 06 = EN 10025-2 Gr. S275JR	Battery Box	Min : 0545 mm Max: 2589 mm	Min: 0399 mm Max: 1794 mm	Min : 0461 mm Max: 1191 mm

Electrical rating: - 24 V and 3360 Ah maximum.

Routine Test: -

Following tests shall be conducted by manufacturer

1. Insulation resistance test as per clause 6.4.2 of IEC 60079-7
 - The measuring voltage of the ohmmeter shall be at least 100V;
 - All connections between the battery and the external circuits and, where fitted, the battery container shall be disconnected
 - The cells shall be filled with electrolyte up to the maximum permissible level

(16) Report:

- The examination and test results are recorded in confidential evaluation report no.:

Issue/Date	Evaluation report	Comment
Issue 0 on 14/11/2025	KLEX 25/11-005	The release of the prime certificate.

(17) Specific conditions of use:

1. Refer to the battery manufacturer's manual for full details of cell charging conditions.
2. The battery box shall not be exposed to mechanical shock.
3. If the battery is to be disconnected from its associated equipment in the hazardous area then a suitably Ex certified disconnection device shall be used.
4. The cells used to form the battery shall only be connected in series.
5. Battery box can only be mounted in horizontal position.



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6. The battery shall be made from cells of the same type and from the same manufacturer.
7. The cells shall be operated within the allowable limits of the cell manufacturer.
8. To prevent faults from the charging devices causing over voltage or over current of the cells, voltage regulation and current limitation (fuses) shall be provided between the charger and the cells.
9. End use must ensure that load current (discharge rate) values specified on the name plate are not exceeded.
10. Charging is not allowed in hazardous area.
11. User must ensure that appropriate controller (as specified in manufacturer instruction manual) is used when charging to prevent reverse charging.

(18) Essential Health and Safety Requirements:

Met by compliance with the standards mentioned in item (9) and evaluation report in item (16).

(19) Remarks and additional information (Drawings and documents):

Operating Manual number: KL-08200-UM-BB-01, Rev. 00 Dated: 09/06/2025

Technical Documents				
Title	Drawing No.	No. of sheets	Rev. Level	Date
Battery Box	KPE-BB-SCH-PEX.	4	00	09/06/2025

END OF DOCUMENT