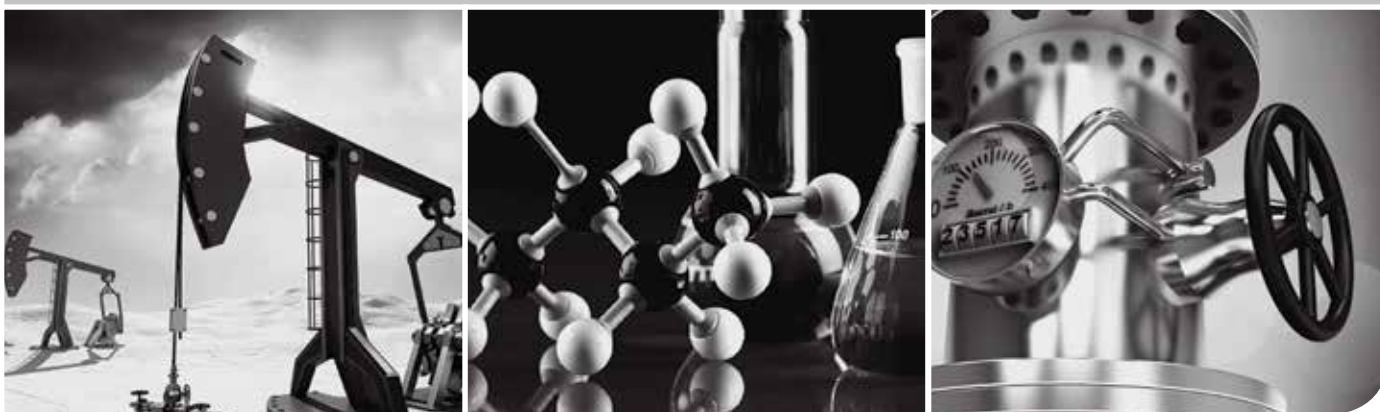




TABEx TRACTION BATTERIES FOR Ex ZONES



TAB

DIN
DIN-S
BS
PzV
PzVB

APPLICATION FIELD

Assembly of ex batteries operating in various applications:

- + MINING
- + PETROCHEMISTRY
- + CHEMISTRY
- + PHARMACY
- + STORAGE DEPOTS

INERIS



Traction batteries types TABEx

The **TABEx Batteries** are produced in accordance with the directive 2014/34/EU in **IECEx certification** scheme and fulfill the applicable requirements of directive harmonized standards **EN/IEC 60079-0, 60079-7 and 60079-31**.

The **cable connection ends** are protected by a connection system of a certified type according to one of the type of protection intended by the **ATEX** and **IECEx**, respectively for **group I** and **group II**. Moreover, in case of use of uni-polar or bipolar connectors, these are noninterchangeable.

All accessories used, must be certified according to IEC 60079-0, IEC 60079-7 and IEC 60079-31 Standards.

TECHNICAL DATA

MAXIMUM VOLTAGE: from 12 to 400 V
 MAXIMUM POWER: 155 kW
 MAXIMUM CELL'S CAPACITY: 46 to 1860 Ah
 MAXIMUM DISCHARGE CURRENT: 0,2 × cell's capacity C5
 TYPE OF PROTECTION: "e" "tb"
 AMBIENT TEMPERATURE: from -20 to 40°C
 Electrolyte density by 30 °C : 1,29 ± 0,01 kg/l.
 Weight tolerance is ± 5 %.



IECEx MARKING:

Ex e IIB or IIC T5 Gb
 and/or: Ex tb IIIC T100°C Db
 Ex e I Mb

ATEX MARKING:

FOR GROUP II AND/OR GROUP III:
 ⓧ II 2 G
 Ex e IIB or IIC T5 Gb
 ⓧ II 2 D
 Ex tb IIIC T100°C Db
 FOR GROUP I:
 ⓧ I M2
 Ex e I Mb



Certificates

ATEX CERTIFICATE: INERIS 16ATEX0013X
 IECEx CERTIFICATE: IECEx INE 16.0022X



ACCESSORIES

Sales department:

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Service department:

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CELL CONNECTORS in combination with the cell terminal and screw - this system offers the highest safety. Connection to the cells is via female threaded inserts secured with metallic bolts with insulated covers, which maintain the minimum ingress protection level of IP 64 required for Zone 21 (dust).

AQUAMATIC WATER REFILLING SYSTEM - optional water refilling system built on batteries is used to automatically maintain the nominal electrolyte levels. The battery should be topped up after completion of a full charge with water with conductance below 30 µS/cm.

ELECTROLYTE CIRCULATION SYSTEM - this optional system is recommended for heavy duty use, short charge times, boost or opportunity charging and in high ambient temperatures. The system reduces water consumption, working temperatures and a charge factor, prevents the stratification of the electrolyte and reduces charging time.