

iBATT101 Battery Enclosure



Stainless Steel Battery Enclosure for use in Zone 1 Hazardous Areas

ATEX II 2G Ex e IIC T6 Gb

IECEX Ex e IIC T6 Gb

-20°C ≤ Ta ≤ +50°C

IP43 (Ex Rating)

IP45 (Non-Ex Rating)

Overview

A rugged battery enclosure constructed from 316L stainless steel for use in the hazardous area.

The durable battery box is a wall mount enclosure with lockable hinged door for easy access allowing hassle free battery replacement and maintenance. These advanced technology batteries provide superior performance and cycle life when compared to conventional electrolyte batteries.

The battery enclosure is certified for extremely high discharge currents, and has a configurable output voltage between 2V and 8V depending on the number of cells ordered. The user can then connect two or more enclosures together in series to give the desired 12V / 24V / 48V system voltage.

Features

Robust Design
Wall Mounted
Lockable
Low Maintenance
Rechargeable in the Hazardous Area*

Power (W)	Battery Run Time to 1.67Vpc @20°C (mins)
500	1026
1000	424
1500	268
2000	191
2500	152
3000	119

Figures based on 24V configuration

Specification

Housing	316L Stainless Steel
Ingress Protection	IP43 (Ex rating) / IP45 (Non Ex rating)
Voltage/Capacity/Weight	8 VDC @ 310 Ah, 120 Kg
Rechargeable Batteries	Up to 4 off 2V 310Ah valve regulated lead acid type
Connections	Via Ex 'e' Cable Glands
Ambient Temperature Range	Operation: -20°C to +50°C
Maximum Charge Voltage	2.45Vpc
Maximum Charge Current	40.5A
Maximum Discharge Current	300A
Charging Environment	Hazardous or Safe Area
ATEX Certification	ATEX II 2G Ex e IIC T6 Gb
ATEX Certificate Number	Baseefa11ATEX0191X/1
IECEX Certification	IECEX Ex e IIC T6 Gb
Dimensions	610mm x 515mm x 370mm

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