

iBATT100 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 ≤ +55°C

IP23

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.

The battery enclosure houses two 12V valve regulated lead acid batteries connected in series. These advanced technology batteries provide superior performance and cycle life when compared to conventional electrolyte batteries.

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	319
1000	141
1500	81
2000	54
2500	41
3000	31

Specification

Housing	316L Stainless Steel
Ingress Protection	IP23 (Ex rating) / IP45 (Non Ex rating)
Voltage/Capacity/Weight	24 VDC @ 135 Ah, 120 Kg
Rechargeable Batteries	2 x 12V valve regulated lead acid type
Connections	Via Ex 'e' Cable Glands
Ambient Temperature Range	Operation: -20°C to +55°C
Maximum Charge Voltage	29.4V
Maximum Charge Current	40.5A
Maximum Discharge Current	160A
Charging Environment	Hazardous or Safe Area
ATEX Certification	ATEX II 2G Ex e IIC T6 Gb
IECEX Certification	IECEX Ex e IIC T6 Gb
Dimensions	610mm x 515mm x 370mm