

# Platinum International Battery Data Sheet

**PAGM50-12**

**12v**

**50Ah**

The rechargeable batteries are lead acid dioxide systems. The dilute sulphuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one way valves allow the gases to escape avoiding explosive gas build up. Otherwise the battery is completely sealed and maintenance free, leak proof and useable in any orientation.

Component	Positive Plate	Negative Plate	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw Material	Lead Dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulphuric Acid

## General Features

Absorbent Glass Mat (AGM) for efficient gas recombination of up to 99% and freedom of electrolyte maintenance

Not restricted for Air Transport companies with IATA/ICAO special provision A67

UL recognised component

Can be fitted in any orientation

Computer designed lead, calcium tin alloy grid for Low self discharge

Long service life, Float or cyclic applications  
IATA Number 2800

## Performance Characteristics

<b>Nominal Voltage</b>	12
<b>Number of Cells</b>	6

<b>Self Discharge</b>
3% of capacity declined per month at 20°C

<b>Nominal Capacity 77°C (25°C)</b>	
20 Hr Rate	50.00
10 Hr Rate	45.90
5 Hr Rate	41.30
1 Hr Rate	31.80

<b>Operating Temperature Range</b>	
Discharge / Storage	-20 to +60°C
Charge	-10 to +60°C

<b>Internal resistance</b>	
Fully charged battery	≤ 8.0mOhms

<b>Charging Rate</b>	
10% of Ah value	5 Amps
<b>Charging Rate</b>	
Bulk Charge	14.6v-14.8v
<b>Charging Rate</b>	
Float Charge	13.6v-13.8v

<b>Life Cycles</b>	
Depth of Discharge @ 50%	500

## Dimensions and Weight

Length (mm)	198
Width (mm)	166
Height (mm)	171
Total Height (mm)	171
Weight Kg (+/- 3%)	14.60
Terminal Type	F11
Terminal Layout	0

**PLATINUM**