

# Platinum International Battery Data Sheet

**PAGM40-12**

**12v**

**40Ah**

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

Nominal Voltage	12
Number of Cells	6

Self Discharge
3% of capacity declined per month at 20°C

Nominal Capacity 77°C (25°C)	
20 Hr Rate	40.00
10 Hr Rate	36.70
5 Hr Rate	33.00
1 Hr Rate	25.40

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

Internal resistance	
Fully charged battery	≤ 8.0mOhms

Charging Rate	
10% of Ah value	4 Amps
Charging Rate	
Bulk Charge	14.6v-14.8v
Charging Rate	
Float Charge	13.6v-13.8v

Life Cycles	
Depth of Discharge @ 50%	500

## Dimensions and Weight

Length (mm)	198
Width (mm)	166
Height (mm)	171
Total Height (mm)	171
Weight Kg (+/- 3%)	13.50
Terminal Type	F11
Terminal Layout	0

**PLATINUM**