

# Platinum International Battery Data Sheet

**PAGM120-12**

**12v**

**120Ah**

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                   | 120.00 |
| 10 Hr Rate                   | 110.20 |
| 5 Hr Rate                    | 99.10  |
| 1 Hr Rate                    | 76.30  |

| 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 | 12 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)        | 328   |
| Width (mm)         | 172   |
| Height (mm)        | 222   |
| Total Height (mm)  | 222   |
| Weight Kg (+/- 3%) | 32.50 |
| Terminal Type      | F12   |
| Terminal Layout    | 1     |

**PLATINUM**