



Datasheet

PAGM100-12

Battery

PAGM100-12	12v	100Ah
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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.

General Features

- Absorbent Glass Mat (AGM) for efficient gas recombination of up to 99% and freedom of electrolyte maintenance.
- UL recognised component
- Computer designed lead, calcium tin alloy grid for Low self discharge.
- Not restricted for Air Transport companies with IATA/ICAO special provision A67.
- Can be fitted in any orientation.
- Long service life, Float or cyclic applications IATA Number 2800.

For more information about Batteries,
Visit srl.co.uk or call us on **0808 2818 775**

COMPONENT RAW MATERIAL							
POSITIVE PLATE	NEGATIVE PLATE	CONTAINER	COVER	SAFETY VALVE	TERMINAL	SEPERATOR	ELECTROLYTE
Lead Oxide	Lead	ABS	ABS	Rubber	Copper	Fibreglass	Sulphuric Acid

PERFORMANCE	
Nominal Voltage	12
Number of Cells	6

SELF DISCHARGE	
3% of capacity declined per month at 20°C	

NOMINAL CAPACITY 77°F (25°C)	
20 Hr Rate	100.00
10 Hr Rate	91.80
5 Hr Rate	82.60
1 Hr Rate	63.60

DIMENSIONS & WEIGHT	
Length (mm)	328
Width (mm)	172
Height (mm)	222
Total Height (mm)	222
Weight Kg (+/- 3%)	30.00
Terminal Type	F12
Terminal Layout	1

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	100 Amps
Bulk Charge	14.6v - 14.8v
Float Charge	13.6v - 13.8v

LIFE CYCLES	
Depth of Discharge @ 50%	500

