



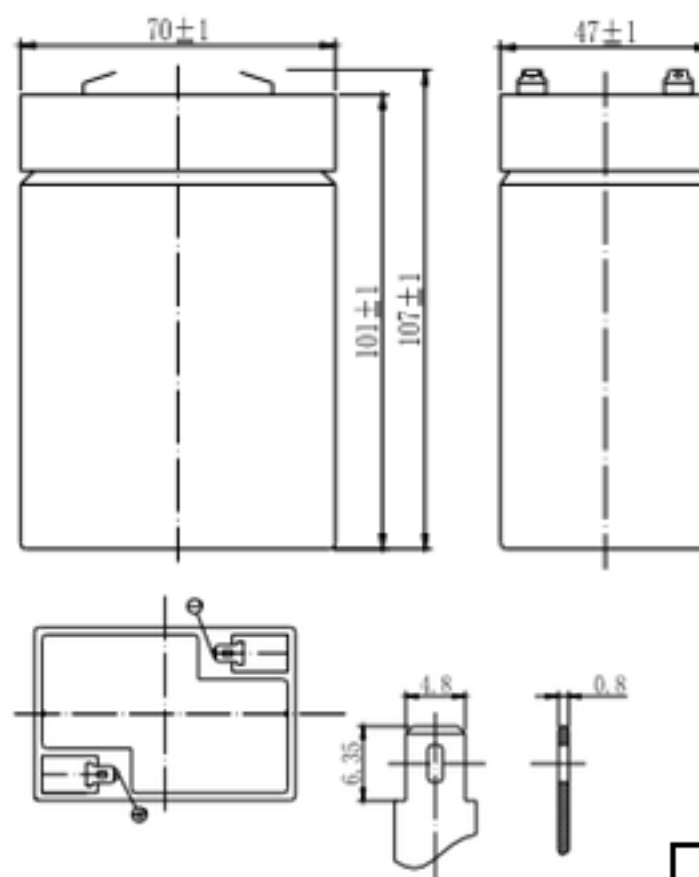
ORIGIN BATTERY
Power from the Start

OR-645 GENERAL CHARACTERISTICS

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.

- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

DIMENSIONS AND WEIGHT



	SI	Imperial
Length	70 mm	2.76 inch
Width	47 mm	1.85 inch
Height	101 mm	3.98 inch
Total Height	107 mm	4.21 inch
Approx. Weight	.77 Kg	1.70 lbs

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric 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 thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

PERFORMANCE CHARACTERISTICS

BATTERY CONSTRUCTION

UPC Code: 024606140335

Component Raw Material — Positive plate Lead Dioxide — Negative plate Lead — Container
ABS — Cover ABS — Safety valve Rubber — Terminal Copper — Separator Fiberglass —
Electrolyte Sulfuric acid

- Nominal Voltage — 6V
- Number of cell — 3
- Design Life — 5 years
- Nominal Capacity 77oF(25oC)
 - 20 hour rate (0.225A, 5.25V) 4.5Ah
 - 10 hour rate (0.44A, 5.25V) 4.4Ah
 - 5 hour rate (0.72A, 5.25V) 3.6Ah
 - 1 hour rate (3.06A, 4.8V) 3.06Ah
- Internal Resistance
 - Fully Charged battery 77oF(25oC) 27mOhms
- Self-Discharge
 - 3% of capacity declined per month at 20oC(average)

- Operating Temperature Range
 - Discharge — -20~60oC
 - Charge — -10~60oC
 - Storage — -20~60oC
- Max. Discharge Current 77oF(25oC) — 67.5A(5s)
- Short Circuit Current — 225A
- Charge Methods: Constant Voltage Charge — 77oF(25oC)
 - Cycle use 2.40-2.45VPC
 - Maximum charging current — 1.8A
 - Temperature compensation — -15mV/oC
- Standby use 2.20-2.30VPC
 - Temperature compensation -10mV/oC



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