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EXCIS 230

A. APPLICATION

The Excis 230 is suitable for use in cycling applications where a maintenance free solution is required. They can however be topped up in exceptional circumstances with the guidance of the technical department thus providing a rugged, abuse resistant product at a very competitive price.

B. CAPACITY

The battery is rated as 230Ah at the 20 hour discharge rate and at 25°C. At different discharge rates the battery capacity will vary. Please see the table below listing the battery capacity at different discharge rates:

DCH RATE (h)	CAPACITY(Ah)	% OF NOMINAL
20	230	100.0
10	225	97.8
5	188	81.7
3	173	75.2
2	161	70.0
1	136	59.1

C. CONSTRUCTION

Positive Plate: High density active material pasted onto a lead/calcium/tin alloy grid.

Negative Plate: High density active material pasted onto a lead/calcium alloy grid.

Separation: Micro-porous polyethylene separator for low electrical resistance. Glass matt fibre separator added to dramatically improve the cycle life.

Electrolyte: Dilute sulphuric acid. Specific gravity (25°C) = 1.260 ± 0.010

Charging voltage: Float ï 2.27V/cell (25°C), Cycle ï 2.47V/cell (25°C)

Temperature range: 0°C ï 50°C, design life based on 25°C

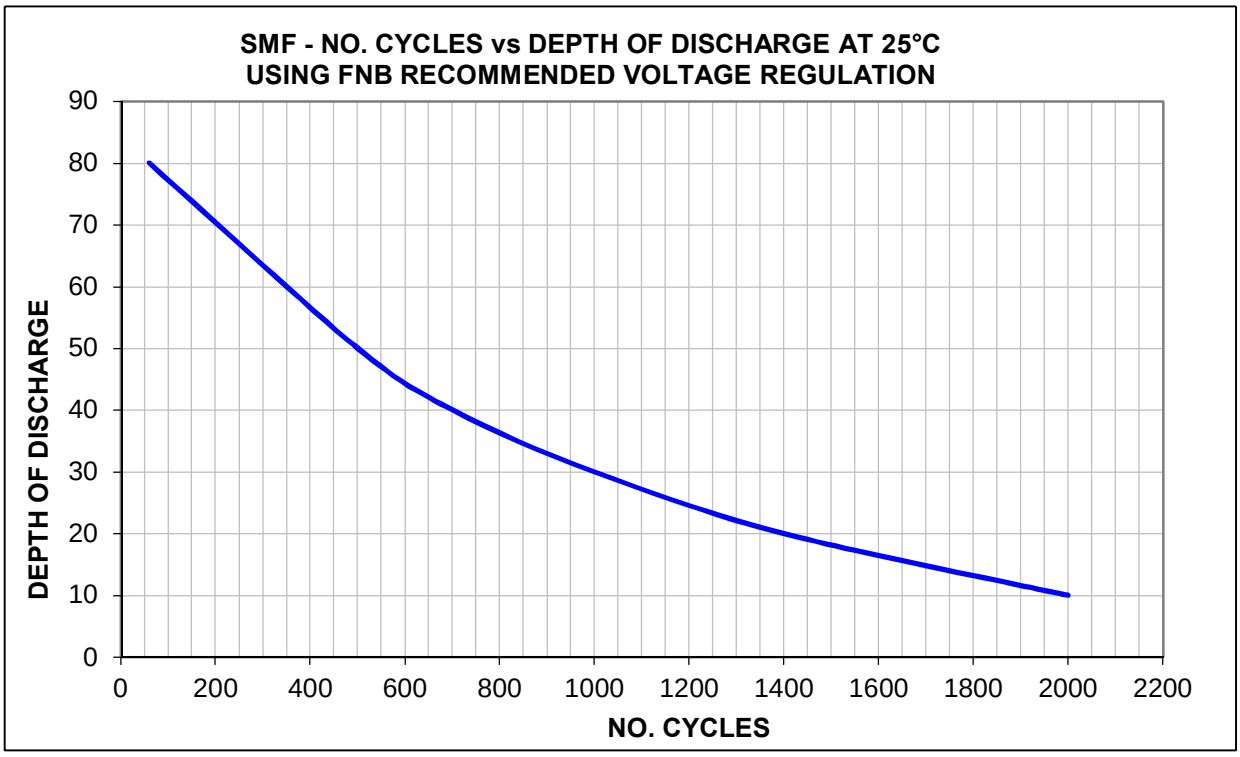
Battery Dimensions: Length = 517mm, Width = 276mm, Height = 240mm with terminal.

Weight: 60.5kg filled with electrolyte.

Terminal Type: Taper terminal.

D. CYCLE LIFE

The graph below indicates the expected cycle life of the Excis 230 at different depths of discharge:



E. FEATURES

Long float life: Calcium alloy grids to minimise corrosion.
Envelope separators to eliminate internal short circuits.

High Cycle design: High density active material formulation
Glass matt fibre separators for active material retention.

Maintenance Free design: Lead/calcium alloy grids result in very low water loss values and therefore no topping up is required for its design life under normal operation conditions.

Vibration resistance: Plate locking devices as well as hot melt to anchor the plates in place result in a very vibration resistant product.

Tough PP container: High impact resistance

Envelope Separators: Eliminate short circuits by containing any shedding positive active Material.