



FEATURES

- High density lead paste and specialized paste formula for deep cycle application.
- High strength ABS or PP case & cover and valve-regulated construction. Maintenance-free.
- High capacities.
- Environmentally friendly, Classified as “Non-Spillable Battery” for transportation.
- High tin alloy grids offer: Less gassing, high corrosion-resistance, low self discharge and alloy sheeting material for deep cycle applications.
- Exceptional adaptability to operate in high and low temperature environments.
- Durable copper and stainless steel terminals for high electrical conductivity.
- Excellent cycle life: 800 cycles @ 80% DOD.
- Exclusive electrolyte formula and separator to protect the electrolyte density from stratification.
- Superior design allows for fast charge acceptance and resistance to over-discharge.

Electrical Characteristics

Final voltage 1.75V/Cell	Amp Hours(AH)@77°F(25°C)						Minutes of Discharge@80°F(27°C)	
	20HR	10HR	5HR	3HR	2HR	1HR	@25A	@75A
	100	95	86	80	70	60	195	53

Electrical Characteristics

Nominal Capacity	100Ah@20 hour rate F. V. (1.75V/Cell)	
Internal Resistance (Approx.)	≤ Fully Charged battery (25°C) :3.5mOhms	
Self Discharge	3% of capacity per month@68°F/20°C	
Cranking Amps	650A@32°F/0°C	500A@0°F/-18°C
Max. Discharge	800A(5s)	
Reserve Capacity (80°F/27°C)	@25A F.V.(1.75V/Cell)	195Min
	@75A F.V.(1.75V/Cell)	53Min
Charging(25°C) (Constant Voltage)	Cycle use	Initial Charging Current: 30A,2.40-2.45VPC
	Float use	2.20-2.30VPC

Mechanical Characteristics

Industry Type No.	27
Length(mm/inch)	323/12.7
Width (mm/inch)	172/6.8
Height(mm/inch)	206/8.1
Total Height(mm/inch)	226/8.9
Approx. Weight (kg/lbs)	29.5/65.0
Terminal	AM
Container material	PP
Cells	6 cell
Nominal Voltage	12 V

Charge / Discharge Tables & Graphs

