RELi3ON™

REV-4D-240 AGM BATTERY

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.

Mechanical Characteristics

Industry Type No.	4D
Length(mm/inch)	528/20.8
Width (mm/inch)	222/8.7
Height(mm/inch)	229/9.0
Total Height(mm/inch)	250/9.8
Approx. Weight (kg/lbs)	64.6/142.4
Terminal	AT
Container material	PP
Cells	6 cell
Nominal Voltage	12 V

Electrical Characteristics

Final voltage 1.75V/Cell	Amp Hours(AH)@77℉(25℃)						Minutes of Discharge@80℉(27℃)	
	20HR	10HR	5HR	3HR	2HR	1HR	@25A	@75A
	240	230	200	190	168	135	560	155

Electrical Characteristics

Nominal Capacity		240Ah@20 hour rate F. V. (1. 75V/Cell)	
Internal Resistance (Approx.)		≤Fully Charged battery (25℃) : 2.7mOhms	
Self Discharge		3% of capacity per month@68°F/20℃	
Cranking Amps		1550A@32°F/0℃	1220A@0°F/-18℃
Max. Discharge		1800A(5s)	
Reserve Capacity (80°F/27℃)		@25A F.V.(1.75V/Cell)	560Min
		@75A F.V.(1.75V/Cell)	155Min
Charging(25℃) (Constant Voltage)	Cycle use	Initial Charging Current: 72A,2.40-2.45VPC	
	Float use	2.20-2.30VPC	

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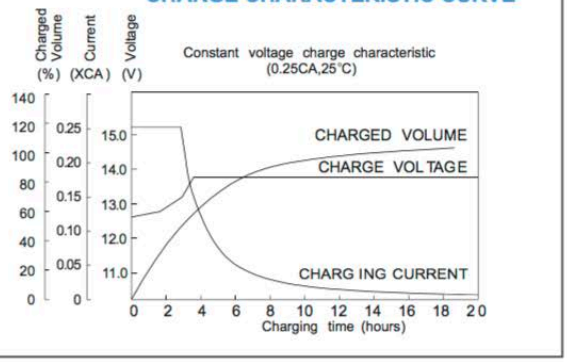
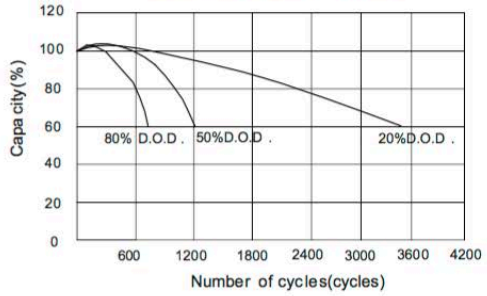
Charge / Discharge Tables & Graphs

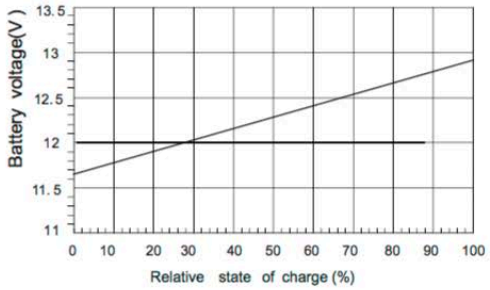
CHARGE CHARACTERISTIC CURVE



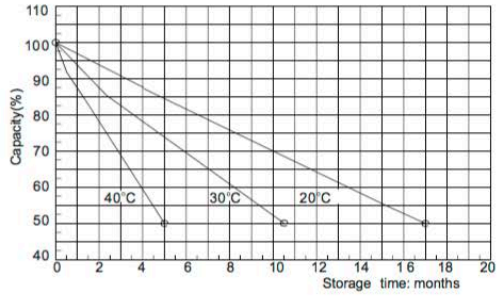
CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



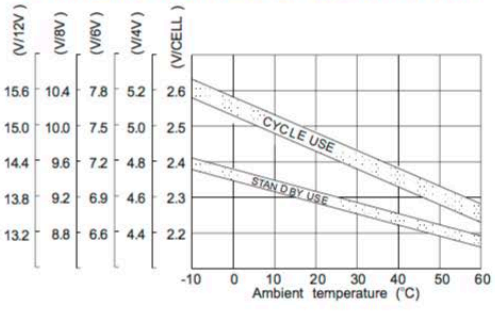
RELATIONSHIP OF OCV AND STATE OF CHARGE (25℃)



SELF-DISCHARGE CHARACTERISTIC



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



TEMPERATURE EFFECTS ON CAPACITY