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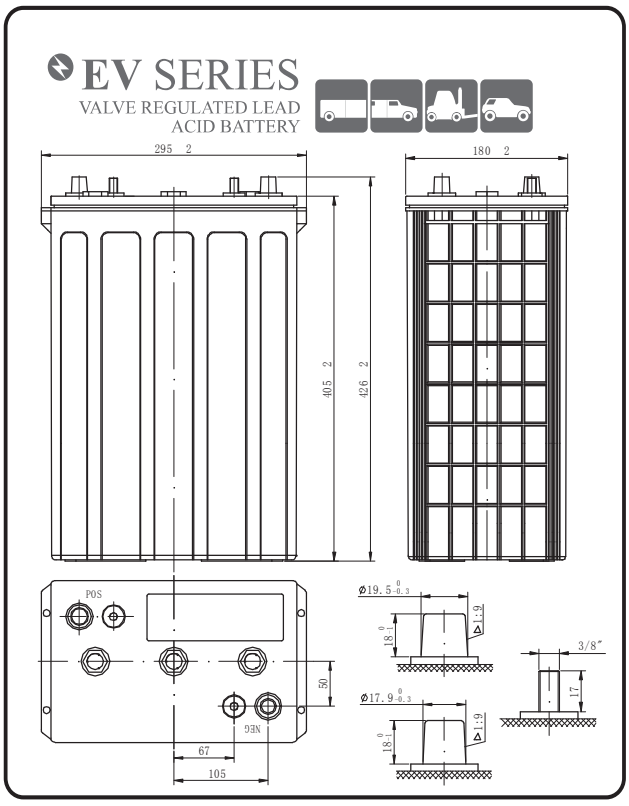
PLA-L16AGM



Platinum provide superior performance, capacities and reliability. Using state of art dry cell technology the EV series is designed for environmentally sensitive areas that require enhanced cycle life capabilities in commercial, industrial, residential, and private applications. The maintenance-free (AGM VRLA) construction and advanced design features makes the EV Series the definitive choice for a wide variety of markets; Solar and Renewable Energy Storage; Electric Vehicle and Golf cart; Industrial equipment, Floor Machines, Forklifts, Aerial lifts, and Robotics; Marine, RV, and no-idle solutions; Mobility and Medical Equipment; Telecom, Broadband and Cable TV; UPS systems.

Features and Benefits

- 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-resistant, Low self discharge, Alloy sheeting material for deep cycle applications.
- Exceptional adaptability to operate at high and low temperature environments.
- Durable copper and stainless steel terminals for high electric conductivity.
- Excellent cycle life: 80% DOD 800 cycles.
- Exclusive electrolyte formula and separator, For protecting the electrolyte density from stratification.
- Superior design allows for fast charge acceptance and resistance to over-discharge.

Mechanical Characteristics

Industry Type No.	L16
Length(mm/inch)	295/11.6
Width(mm/inch)	180/7.1
Height(mm/inch)	405/15.9
Total Height(mm/inch)	426/16.8
Approx. Weight (kg/lbs)	55.5/122.4
Terninal	AM
Container material	PP
Cells	3 cell
Nominal Voltage	6 V

Electrical Characteristics

Nominal Capacity		400Ah@20 hour rate F. V. (1. 75V/Cell)	
Internal Resistance(Approx.)		≤Fully Charged battery(25℃):6.7mOhms	
Self Discharge		3% of capacity per month@68°F/20℃	
Cranking Amps		2580A@32°F/0℃	2010A@0°F/-18℃
Max. Discharge		3000A(5s)	
Reserve Capacity (80°F/27℃)		@25A F.V.(1.75V/Cell)	920Min
		@75A F.V.(1.75V/Cell)	270Min
Charging(25℃) (Constant Voltage)	Cycle use	Initial Charging Current: 120A,2.40-2.45VPC	
	Float use	2.20-2.30VPC	

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
	400	380	320	315	280	230	920	270

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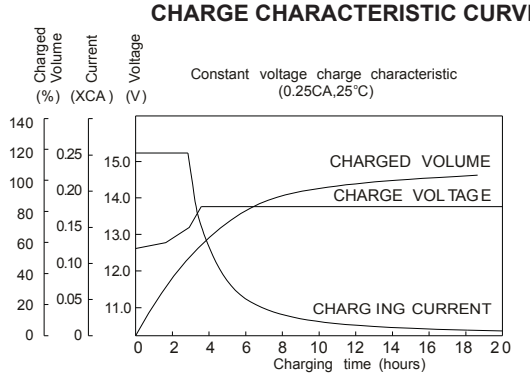
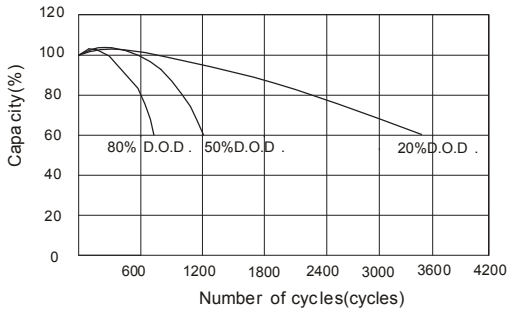
Charge / Discharge Tables & Graphs

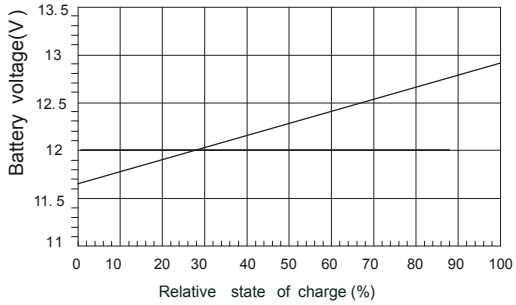
CHARGE CHARACTERISTIC CURVE



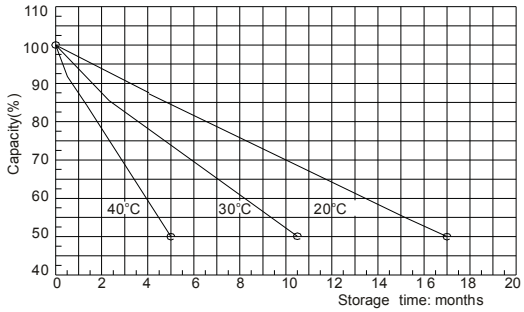
CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



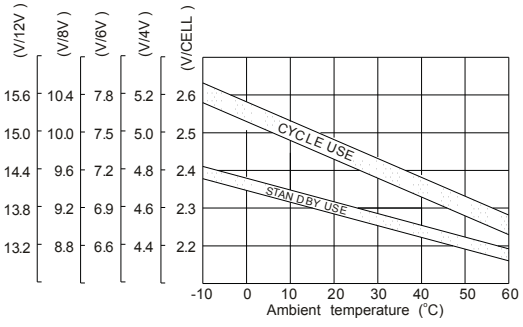
RELATIONSHIP OF OCV AND STATE OF CHARGE (25℃)



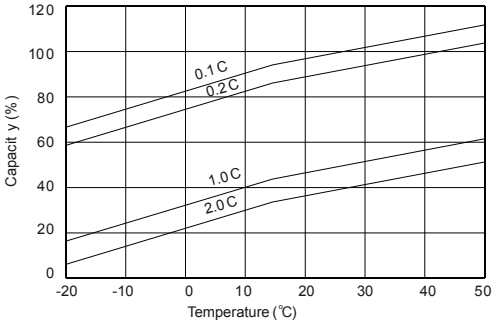
SELF-DISCHARGE CHARACTERISTIC



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



TEMPERATURE EFFECTS ON CAPACITY



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