

BATTERIES

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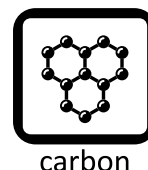
TECHNICAL DATA SHEET



PL16AGMDT

SPECIFICATIONS

Part Number	PL16AGMDT	
BCI	903	
Volt	6 Volts	
Type	AGM	
Terminal	Dual, auto post + stud 5/16"	
Terminal Torque	176 in-lbs (20-23 Nm)	
Container Material	Polypropylene	
Life Cycles	700 cycles at 80% DOD	
Capacity	20 Hr	452 Ah
	5 Hr	348 Ah
	Discharge	-20~55°C (-4~131°F)
Operating Temp. Range	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)



carbon



GENERAL FEATURES

Stable initial capacity

- PAM/NAM amount optimization
- 4BS crystal paste mixing & curing technology
- Double layer separator technology
- Improved design electrolyte S.G.

Less water loss

- PAM/NAM amount optimization
- New PAM/NAM recipe introduced
- Rare earth alloy

Solve NAM sulphation

- Carbon boost technology
- Pre-sulfate technology

Improved PSoC cycling

- Carbon boost technology
- Mix carbon boost technology
- Targeting for higher level through carbon technology

Delay PAM softening and shedding

- Plate assembly pressure re-engineering
- 4BS crystal paste mixing & curing technology
- Higher paste density

Optimize electrolyte stratification

- Introduce new AGM technology

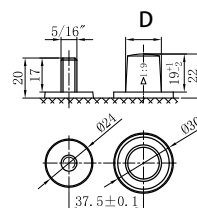
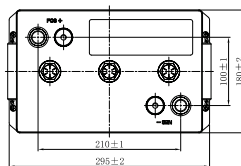
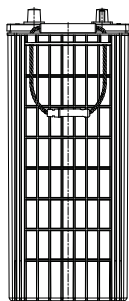
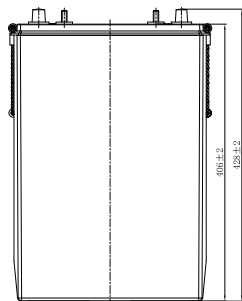
Excellent deep cycle performance

- Plate assembly pressure re-engineering
- New PAM/NAM recipe introduced
- AGM electrolyte technology
- Rare earth alloy
- Double layer separator technology
- Lower acid filling temperature

DIMENSIONS

Length	295 mm (11 5/8")
Width	180 mm (7 1/16")
Case Height	406 mm (16")
Overall Height	428 mm (16 7/8")
Weight	55.4 kg (122 lbs)

DRAWING

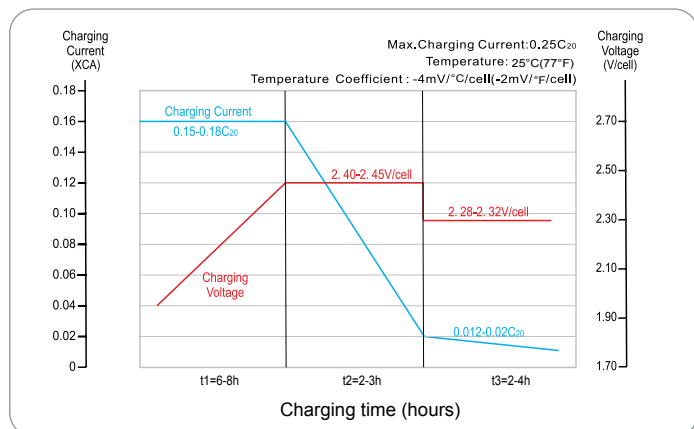


Terminal	
D	
Positive	19.5 ^{+0.3} _{-0.3}
Negative	17.9 ^{+0.3} _{-0.3}

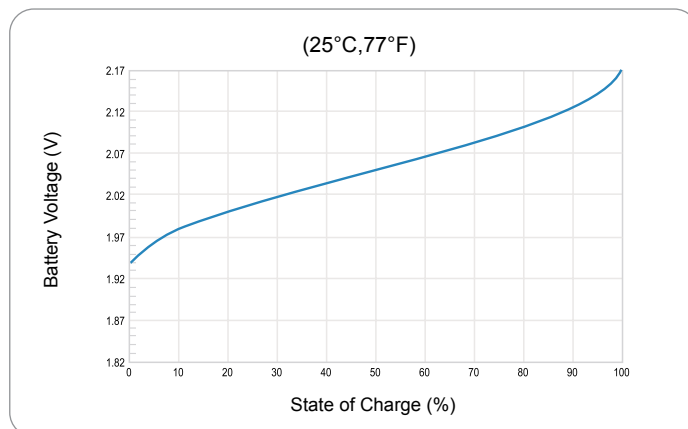
Note: Terminal Torque Values in-lb(Nm):176-203(20-23)

CHARGE / DISCHARGE PERFORMANCE CURVES

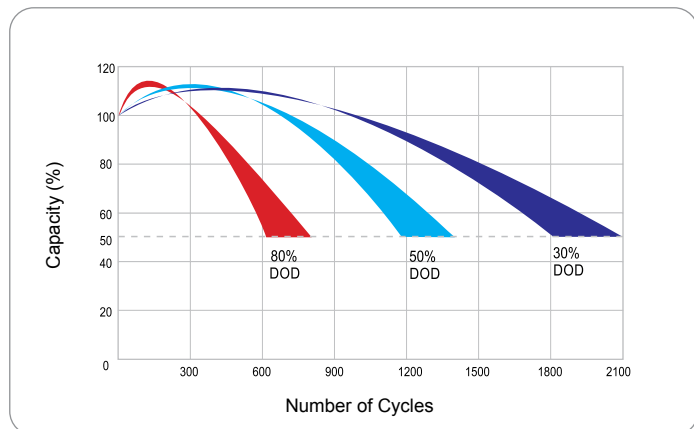
Charging Profiles



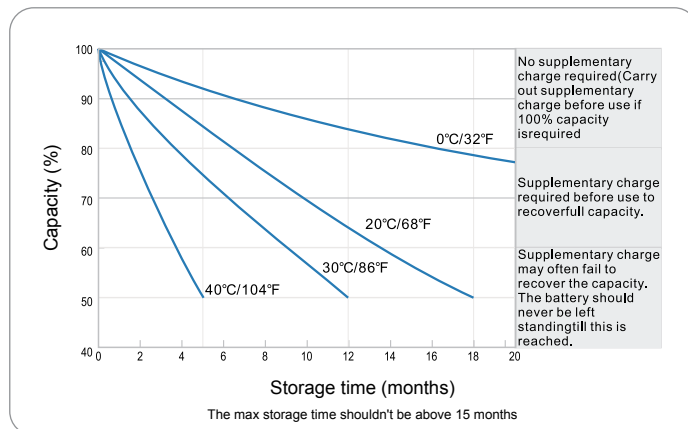
Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics



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