

BATTERIES

POL-R



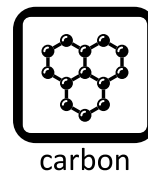
TECHNICAL DATA SHEET



P31AGMDT

SPECIFICATIONS

Part Number	P31AGMDT	
BCI	31	
Volt	12 Volts	
Type	AGM	
Terminal	Dual, auto post + stud 3/8"	
Terminal Torque	176 in-lbs (20-23 Nm)	
Container Material	Polypropylene	
Life Cycles	700 cycles at 80% DOD	
Reserve Capacity	25 A	239 min.
	56 A	80 min.
	75 A	52 min.
Capacity	20 Hr	115 Ah
	5 Hr	95 Ah
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)



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

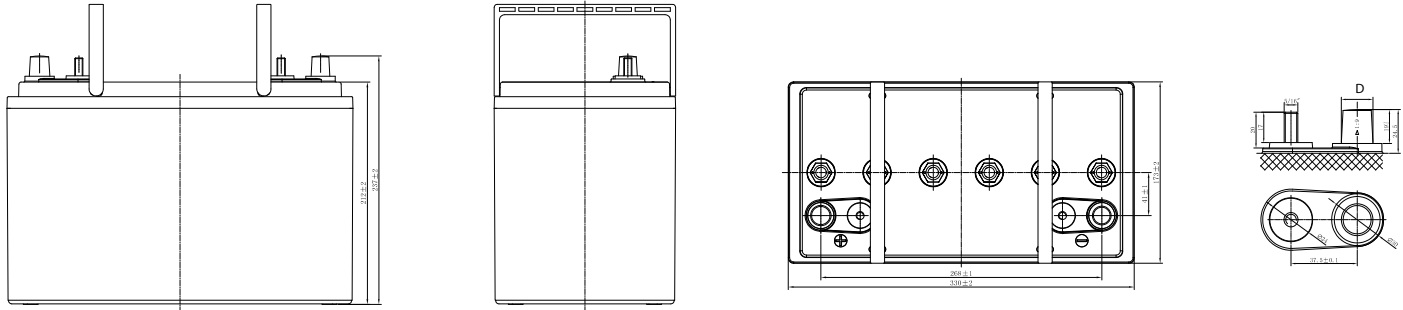
Excellent deep cycle performance

- 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

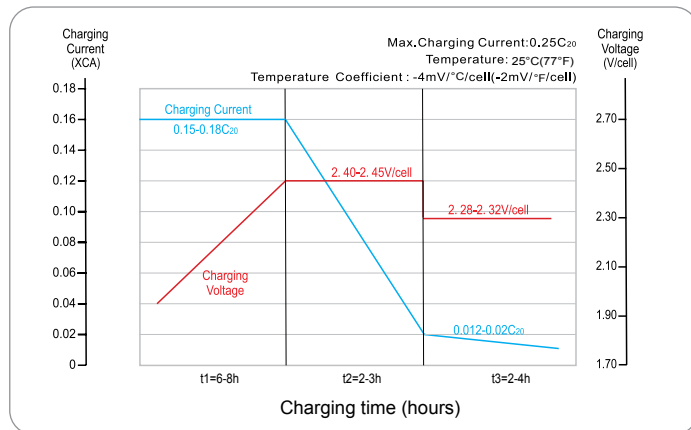
Length	330 mm (13")
Width	173 mm (6 13/16")
Case Height	212 mm (8 3/8")
Overall Height	237 mm (9 5/16")
Weight	31.7 kg (69.9 lbs)

DRAWING

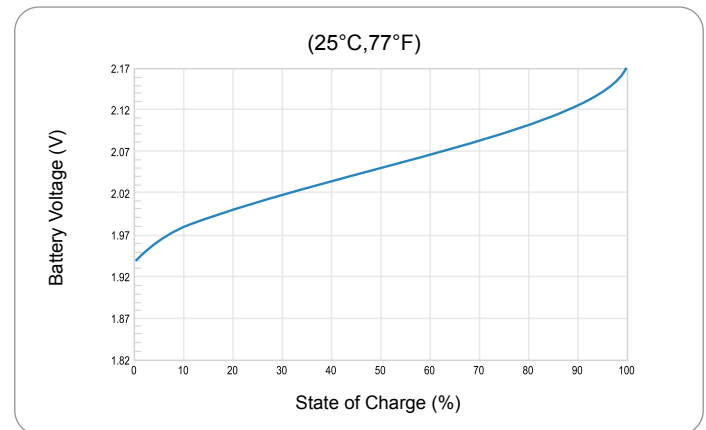


CHARGE / DISCHARGE PERFORMANCE CURVES

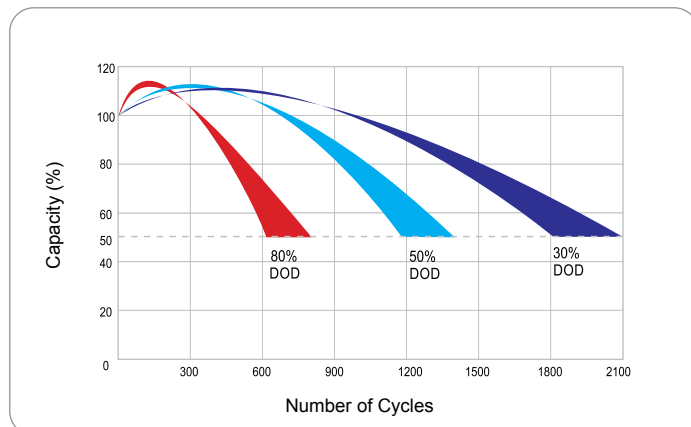
Charging Profiles



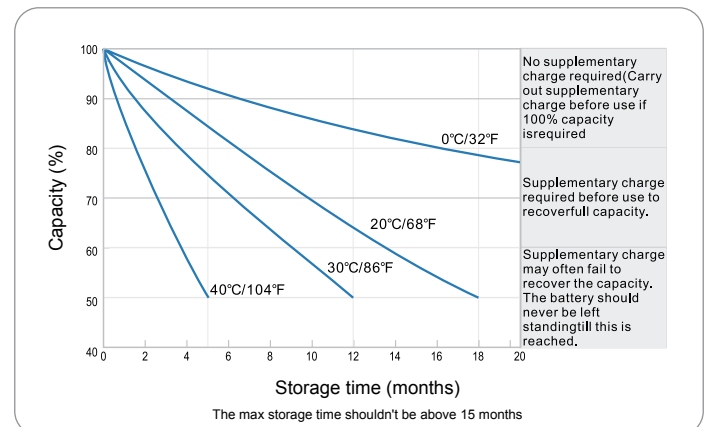
Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics



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