

BATTERIES POL-R

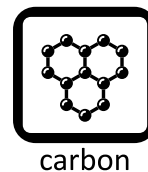
TECHNICAL DATA SHEET

PGC12AGMI



SPECIFICATIONS

Part Number	PGC12AGMI	
BCI	GC12	
Volt	12V	
Type	AGM - GEL	
Terminal	T11 (M8) Dual, auto post + stud 3/8"	
Terminal Torque	176 in-lbs (20-23 Nm)	
Container Material	ABS	
Life Cycles	700 cycles at 80% DOD	
Reserve Capacity	25A	308 min
	56 A	115 min
	75 A	88 min
Capacity	20 Hr	148 Ah
	5 Hr	122 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)



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

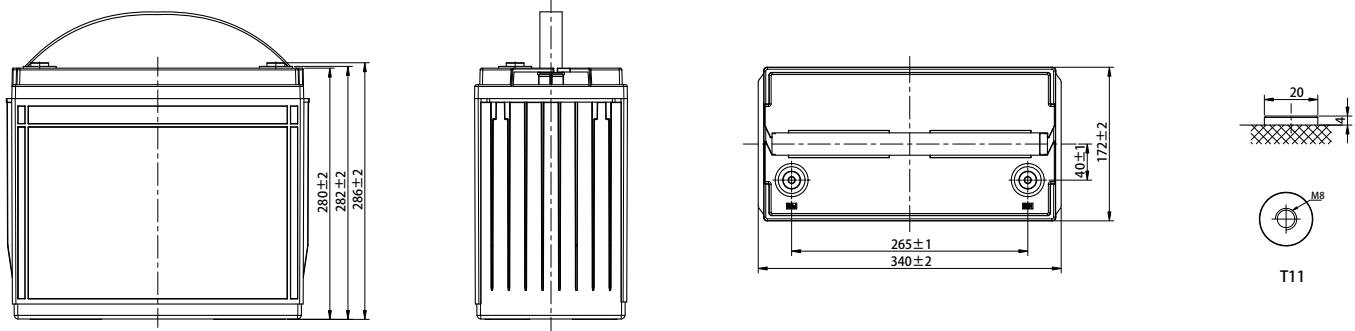
Excellent deep cycle performance

- 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

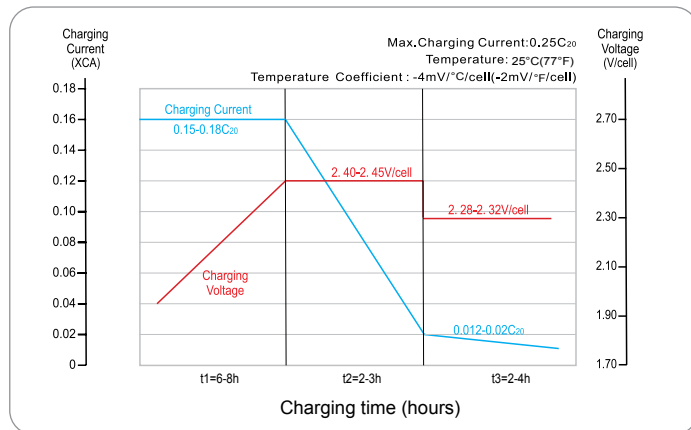
Length	340 mm (13.4 inches)
Width	172 mm (6.77 inches)
Case Height	280 mm (11.0 inches)
Overall Height	286 mm (11.3 inches)
Weight	42.5 kg (93.7 lbs)

DRAWING

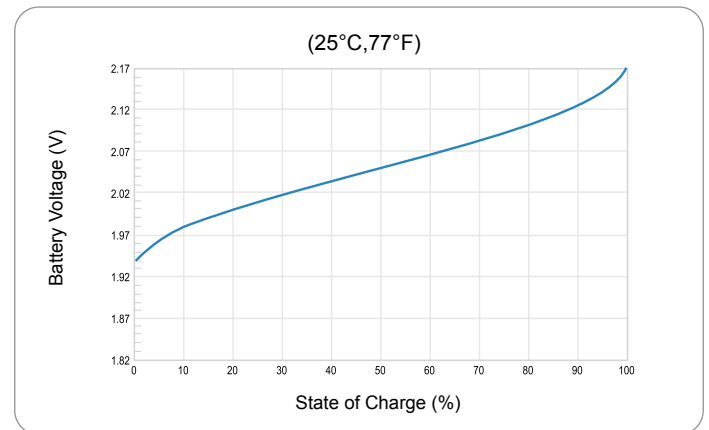


CHARGE / DISCHARGE PERFORMANCE CURVES

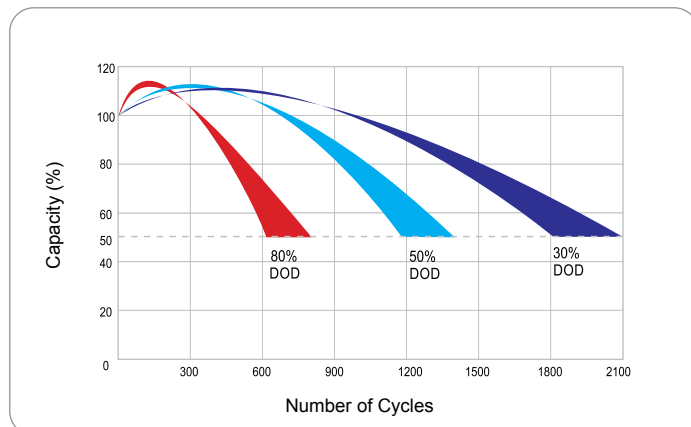
Charging Profiles



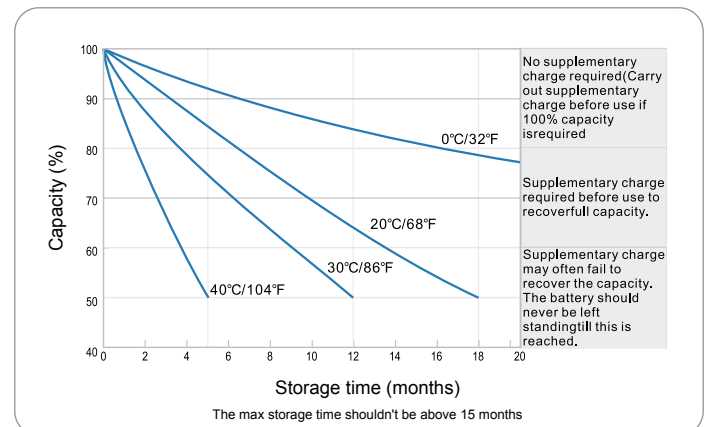
Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics



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