

105A ZEAL AGM BATTERY

POWERING YOUR ADVENTURES

BM PRO 12V 105Ah Zeal model SA12V105C is a deep cycle AGM battery ideally suited for a wide range of general purpose and cost critical applications. With very low internal resistance, it is capable of delivering high currents on demand and offers long service life. The Zeal AGM range is maintenance and spill free, provides strong reliability with a low self-discharge.

KEY FEATURES

- Absorbent Glass Mat (AGM) technology for efficient gas recombination and maintenance free operation
- Designed for a range of standby and cycling products
- 5 year design life
- Low self discharge
- 1 year warranty



SPECIFICATIONS

Nominal Voltage	12v
Rated Capacity (20 hr)	105Ah
Terminal	M6
Length (mm)	306 ± 1mm
Width (mm)	169 ± 1mm
Height (mm)	210 ± 1mm
Total Height (with Terminal)	215 ± 1mm
Weight	28.2kg
Cycle Use	Initial Charging Current less than 31.5A. Voltage 14.5V - 14.9V at 25°C
Standby Use	No limit on Initial Charging Current Voltage 13.5 - 13.8V at 25°C
Max. Discharge Current (5 s)	900A
Operating Temp - Charge	0 - 60°C
Operating Temp - Discharge	-15 - 60°C
Self Discharge	may be stored for up to 6 months at 25°C and then a freshening charge is required. For higher temperatures the time interval will be shorter

CHARGING SYSTEM

DOD	Current Limit (A)	Constant Voltage (V)	Fully Charged Time (h)
20	0.15C ₁₀	13.5-13.8 vpc (12V)	10
	0.20C ₁₀	6.75-6.9 vpc (6V)	8
50	0.15C ₁₀	13.5-13.8 vpc (12V)	15
	0.20C ₁₀	6.75-6.9 vpc (6V)	12
80	0.15C ₁₀	13.5-13.8 vpc (12V)	16
	0.20C ₁₀	6.75-6.9 vpc (6V)	14
100	0.15C ₁₀	13.5-13.8 vpc (12V)	20
	0.20C ₁₀	6.75-6.9 vpc (6V)	18

CYCLE LIFE VS DOD

