

12 V 165 Ah (C₁₀) Deep Cycle AGM Battery

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	518 mm	20.2 inch
Width	274 mm	10.7 inch
Height	242 mm	9.5 inch
Typical weight	56.7 kg	125.0 lbs



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 165 Ah (at C₁₀)
- Separator: AGM
- Electrolyte: Sulphuric acid; analytical grade
- Self discharge: < 2.5% per month at 20°C
- Standards: IEC 61056; IEC 61427; IEC 60896
- Venting valve: One way, self resealing
- Degassing system: Central
- Terminal type: Top / Automotive
- Case / lid material: Polypropylene
- Carrying Handles: Available (2)

Performance characteristics:

BATTERY DISCHARGE PERFORMANCE AT 25°C

Discharge time	15 min	1 h	5 h	10 h	100 h
End of discharge voltage	9.60 V	9.60 V	10.20 V	10.80 V	10.80 V
Discharge capacity	82 Ah	115 Ah	150 Ah	165 Ah	195 Ah
Constant power discharge (per block)	3600 W	1310 W	350 W	190 W	23.5 W
Reserve capacity at 25 A	350 min / 145 Ah				

Temperature correction factor of discharge capacity

Temperature	-20 °C	-10 °C	0 °C	10 °C	20 °C	40 °C
Correction factor	0.50	0.70	0.83	0.91	0.97	1.04

BATTERY CHARGE CONDITIONS

Constant current charge	Current range: 0.1 – 0.2C ₁₀ A
Constant voltage charge	Voltage range: 14.10 – 15.10 V (Recommended: 14.40 V)
Float voltage	13.62 V (2.27 Vpc) at 20 °C
Temperature correction factor	Below 20 °C: + 0.018 V/block/°C; Above 20 °C: - 0.018 V/block/°C
Float application	Recommended: max. 0.1C ₁₀ A / 13.62 V (2.27 Vpc)
Cycle applications	Recommended: max. 0.2C ₁₀ A / 14.40 V (2.40 Vpc) Recharge Ah: at least 105% from previous discharge Ah

