



**AGM DEEP CYCLE**  
SEALED MAINTENANCE FREE

**AGM 81090-90 Ah (C<sub>20</sub>)**



PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	353 mm	13,90 inch
Width	175 mm	6,89 inch
Height	190 mm	7,48 inch
Typical weight	27,80 kg	61,29 lbs

**Specifications:**

- Nominal voltage: 12 V
- Rated capacity: 90 Ah (at C<sub>20</sub> and 25 °C)
- Plate technology: Calcium / Calcium
- Separator: AGM
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Kamina
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 50% DoD: up to 500 cycles
- PVES applications: up to 1000 cycles

**Performance characteristics:**

BATTERY DISCHARGE PERFORMANCE AT 25°C					
Discharge rate	C <sub>5</sub> (5 h)	C <sub>10</sub> (10 h)	C <sub>20</sub> (20 h)	C <sub>100</sub> (100 h)	Capacity at 25 A
End of discharge voltage	10.20 V	10.80 V	10.50 V	10.80 V	10.50 V
Discharge capacity	67 Ah	81 Ah	90 Ah	95 Ah	175 min

Temperature correction factor of discharge C <sub>5</sub> (5 h) 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**  
Charging profiles: WaW0 and IU1a Charge factor: 1.10 – 1.20

