

AGM ST50

PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	242 mm	9,53 inch
Width	175 mm	6,89 inch
Height	190 mm	7,48 inch
Typical weight	19,20 kg	42,33 lbs



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 60 Ah (at C₂₀ 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 ₅ (5 h)	C ₁₀ (10 h)	C ₂₀ (20 h)	C ₁₀₀ (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	45 Ah	54 Ah	60 Ah	65 Ah	110 min

Temperature correction factor of discharge C₅ (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

