



AGM DEEP CYCLE

SEALED MAINTENANCE FREE

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	518 mm	20,2 inch
Width	274 mm	10,7 inch
Height ^A	242 mm	9,5 inch
Typical weight ^B	61,30 kg	135,14 lbs

AGM 220C-205 Ah (C₂₀)



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 205 Ah (at C₂₀ and 25 °C)
- CCA (EN): 1500 A
- 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: Conical
- 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	170 Ah	190 Ah	205 Ah	220 Ah	430 min

Temperature correction factor of discharge C₅ (5 h) capacity

Temperature	-10 °C	0 °C	20 °C	25 °C	30 °C	35 °C	40 °C
Correction factor	0.80	0.88	0.98	1.00	1.03	1.05	1.07

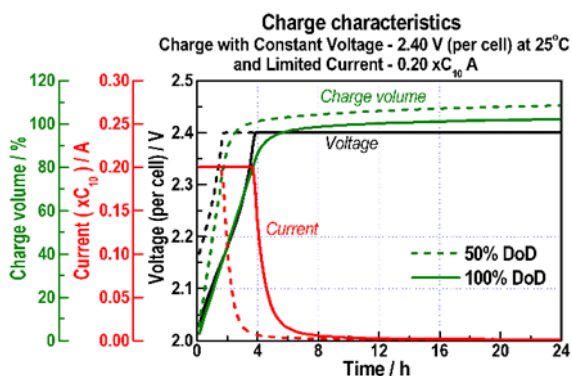
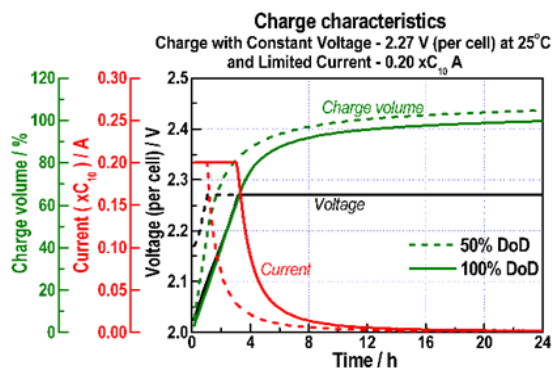
BATTERY CHARGE CONDITIONS AT 25°C

Charging profile: Float / Boost

Charge factor: 1.05 – 1.07

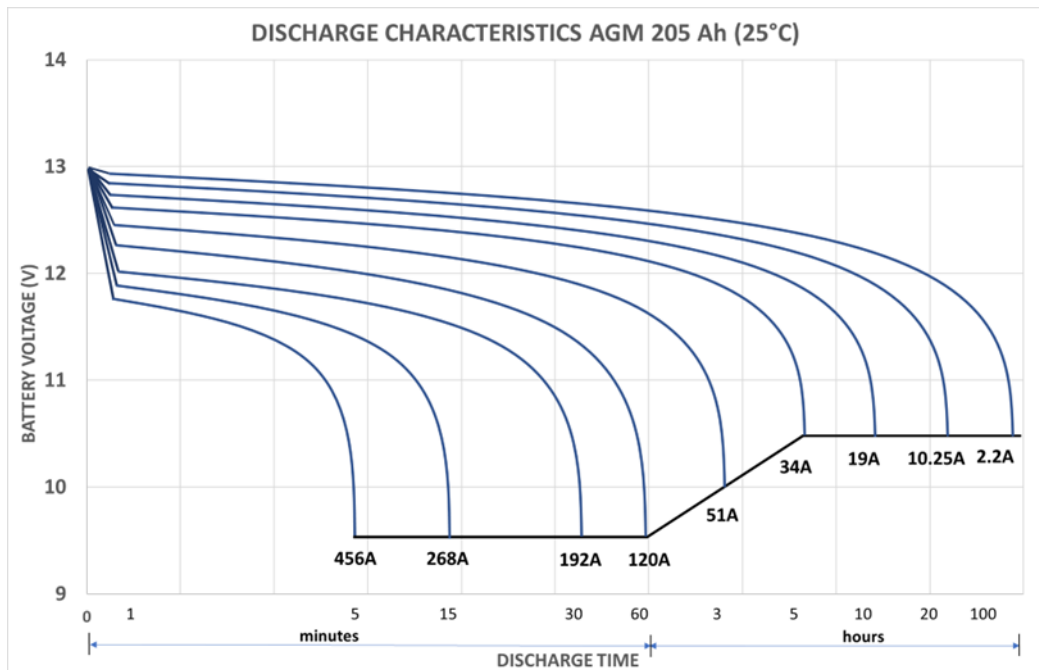
Float charge voltage

Boost charge voltage

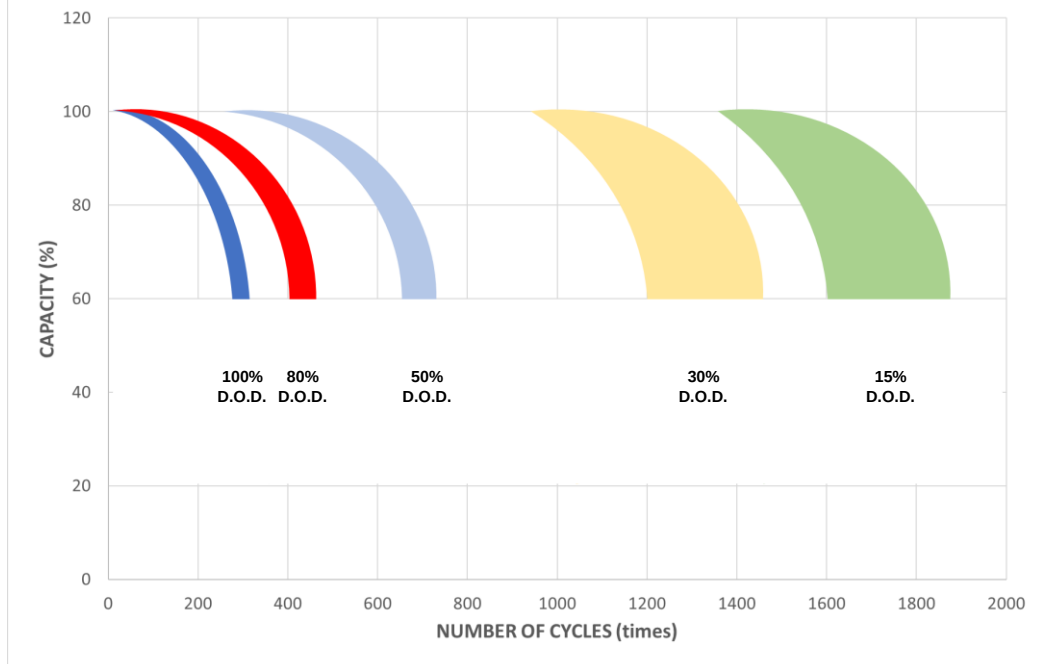


BATTERY DISCHARGE CURVES AT 25°C

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)



Cycle service life in relation to depth of discharge (AGM)



Battery Technical Datasheet Annex
according to REGULATION (EU) 2023/1542/ANNEX 4
ELECTROCHEMICAL PERFORMANCE AND DURABILITY REQUIREMENTS FOR LMT BATTERIES,
INDUSTRIAL BATTERIES WITH A CAPACITY GREATER THAN 2 KWH AND ELECTRIC VEHICLE
BATTERIES

Battery model	AGM 220 C	AGM Deep Cycle
Rated Capacity, Ah	220	C100 at 25 °C to Uf=1.8Vpc, IEC 61427
Power fade %	80	
Power, W	264	I100 22A to Uf=1.8Vpc
Energy round trip efficiency %	>95	IEC 61427, <50% SoC
Energy round trip efficiency fade %	76	IEC 61427, <50% SoC
Charge rate	0.2C10	
W/Wh ratio	0.1	
Power capability in Ah at 80% SoC	176	
Power capability in Ah at 20% SoC	44	