



DEEP CYCLE

PROFESSIONAL

PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	311 mm	12,25 inch
Width	180 mm	7,09 inch
Height	356 mm	14,02 inch
Typical weight	47.15 kg	103.95 lbs

6V J305 US-350 Ah (C₂₀)

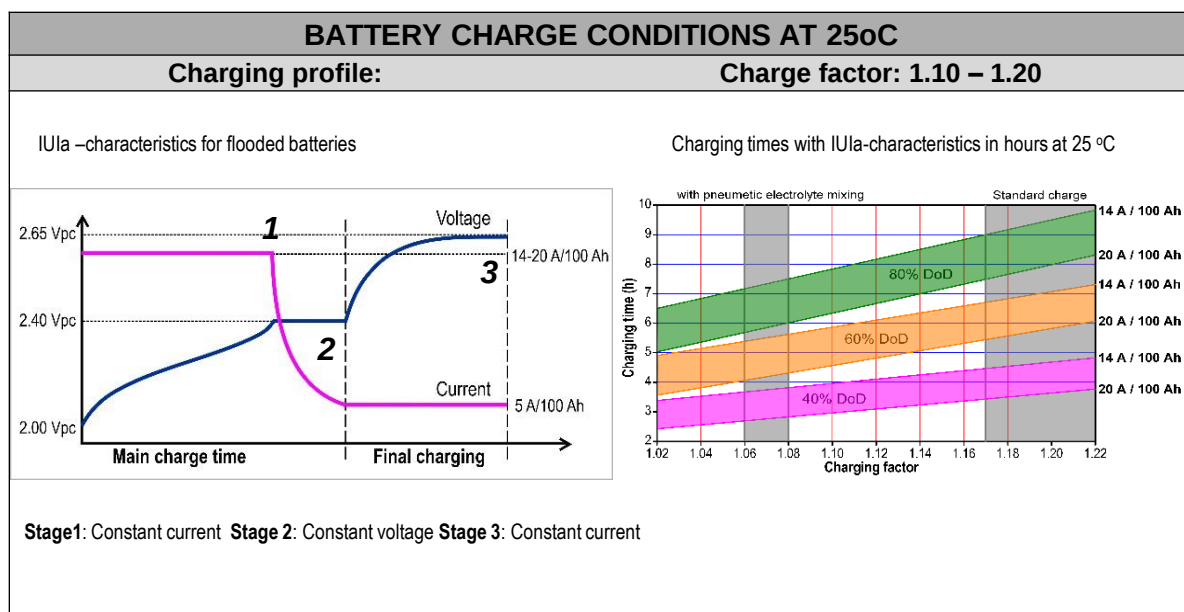


Specifications:

- Nominal voltage: 6 V
- Rated capacity: 350 Ah (at C₂₀ and 25 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid (SG 1,28) OCV 6.35V
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Dual
- Carrying Handles: Available
- Cycles at 50% DoD: up to 900 cycles
- PVES applications: up to 2000 cycles

Performance characteristics:

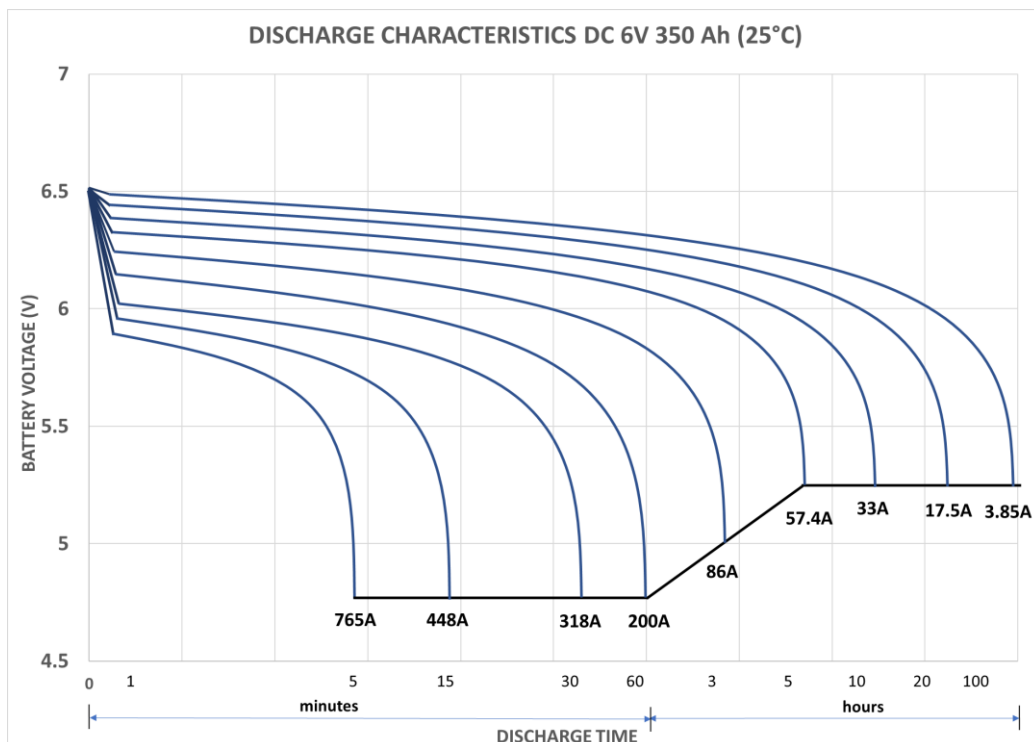
BATTERY DISCHARGE PERFORMANCE AT 25°C							
Discharge rate		C ₅ (5 h)	C ₂₀ (20 h)	C ₁₀₀ (100 h)	Capacity at 25 A		
End of discharge voltage		5,10 V	5,25 V	5,40 V	5,25 V		
Discharge capacity		287 Ah	350 Ah	385 Ah	790 min		
Temperature correction factor of discharge C ₅ (5 h) capacity							
Temperature	-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



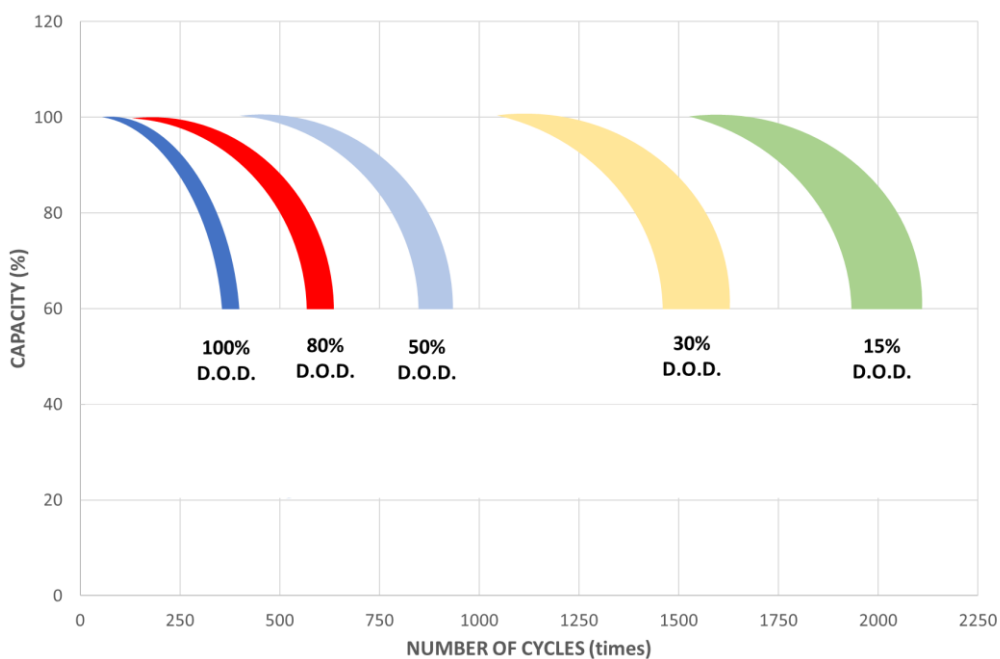
It is mandatory to check the electrolyte level every 3 months and top up with deionized water to the markings.

BATTERY DISCHARGE CURVES AT 25°C

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)



Cycle service life in relation to depth of discharge (DC 6/8V)



It is mandatory to check the electrolyte level every 3 months and top up with deionized water to the markings.

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	J305 US DC	Deep Cycle Professional
Rated Capacity, Ah	287	C5 at 25 °C to Uf=1.7Vpc; IEC 60254
Power fade %	80	
Power, W	345	
Energy round trip efficiency %	>85	
Energy round trip efficiency fade %	68	
Charge rate	0.2C10	
W/Wh ratio	0.2	
Power capability in Ah at 80% SoC	230	
Power capability in Ah at 20% SoC	50	