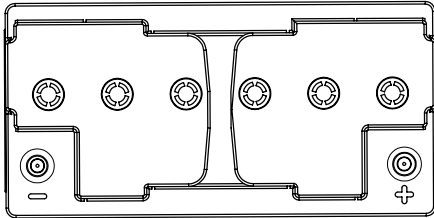
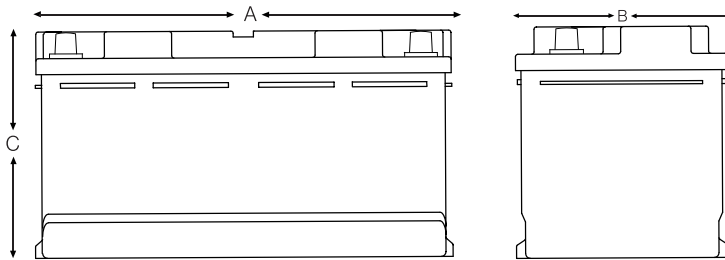


78876 GLOBAL GEL DEEP LEISURE L5(12V80/C20)



Left - Negative

Right - Positive



General Features

Maintenance-free bloc batteries in Gel technology (no topping up during lifetime)

Good high current performance for extreme operating conditions

High-class patented safety valve

700 cycles (IEC 61427 / 60896-21/22)

Capacity: 12V 56Ah - 210 Ah (C₂₀)

Valve-regulated lead-acid battery

Recyclable

Long cycle life

Low self discharge rate allows for up to 2 years shelf life

Classified as a non-spillable battery is not restricted for transportation by:

- Air (IATA/ICAO provision 67)
- Ground (STB, DOT-CFR-HMR49)
- Water (IMDG amendment 27)

Applications

Solar

Home Inverter

Renewable Energy

Deep Cycle Applications

Compliant with IEC 61427 / 60896-21/22

Electrical Specifications

Voltage	12V
80% DOD Voltage Cutoff	11.2V
Low Voltage Cutoff	10.8V
Self Discharge	Less than 3% per month (20°C)
Charge Temperature	Min: -10°C / Max: 50°C
Discharge Temperature**	Min: -40°C / Max: 50°C
Storage	Min: -20°C / Max: 60°C

Amp Hours (AH)					
100 HR	72 HR	20 HR	10 HR	5 HR	3 HR
85	84	81	77	73	69

** CAUTION: Depths of discharge, operating voltages and currents, when designing systems for use at maximum temperatures, will vary.

Mechanical Specifications

Industry Reference	L5
Length (A)	350 mm
Width (B)	175 mm
Height (C)	190 mm
Weight	28kgs
Terminal (Opt'l)*	A-POLE
Cell(s)	6
Electrolyte	Gel
	n/a

NOTE: There is a tolerance of +/-2%.

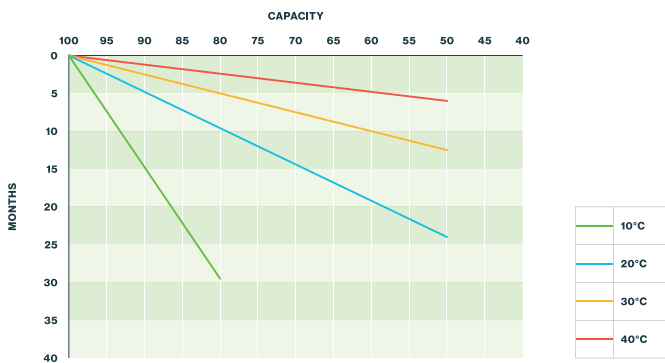
78876 GLOBAL GEL DEEP LEISURE L5(12V80/C20)

Charging profile

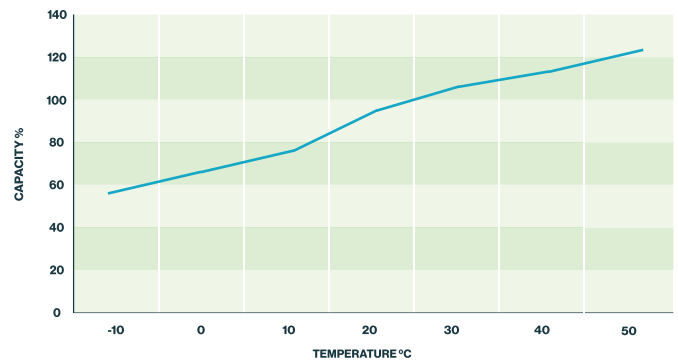
IU Charging I = min. 12% C₅ max. 18% C₅
U = 2.4 V per cell

IUI Charging I₁ = min. 12% C₅ max. 18% C₅
U = 2.35 V per cell
I₂ = 1.5% C₅ for max. 4 hours

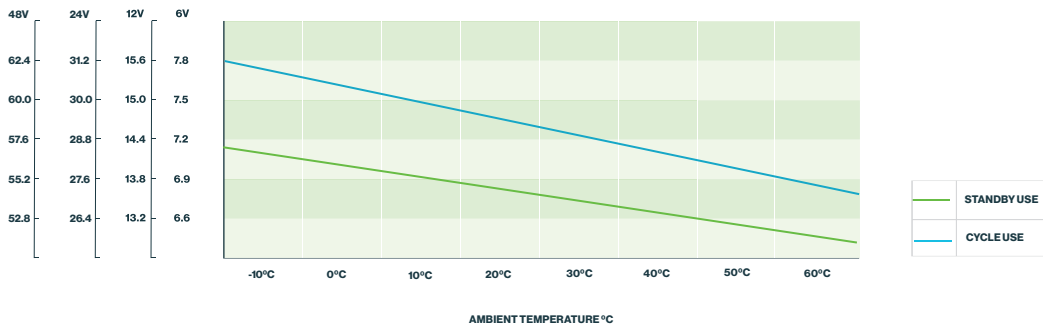
Self discharge at different temperatures



Capacity vs. temperature



Relation between charging, voltage and temperature



Storage: Determine the state of charge

