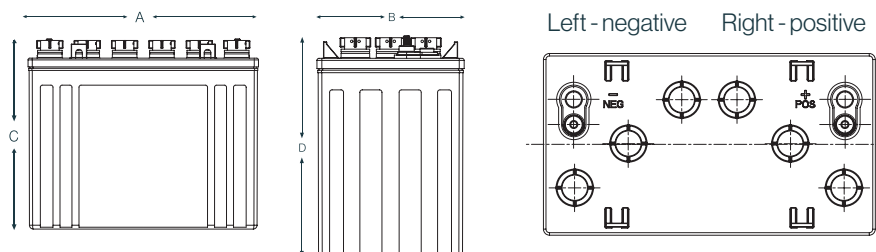


QSRF 1275 (GC12)

QUASAR Flooded Carbon Nano Battery



Electrical Specifications

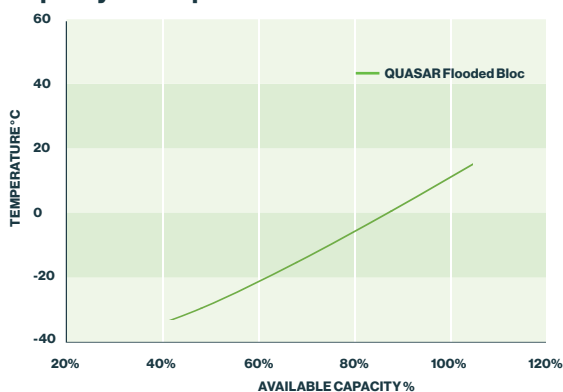
C5 Capacity	120Ah
C20 Capacity	150Ah
Voltage	12V
80% DOD Voltage Cutoff	11.5V
Self Discharge	Less than 3% per month (20°C/68°F)
Charge Temperature	Min: -10°C (14°F) / Max: 50°C (122°F)
Discharge Temperature**	Min: -40°C (-40°F) / Max: 50°C (122°F)
Storage	Min: -20°C (-4°F) / Max: 60°C (140°F)

Mechanical Specifications

Industry Reference	GC12	
Length (A)	13.0 in	329 mm
Width (B)	7.1 in	181 mm
Height over lid (C)	9.6 in	244 mm
Height over stud (D)	11.0 in	274 mm
Weight	85.9 lbs	39 kgs
Terminal (Opt'l)	UTL	
Cell(s)	6	
Electrolyte	Flooded	
Terminal Torque Nm	11-12Nm	

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

Capacity vs Temperature



IUI Charging

I₁ = min. 12% C₅ max. 40% C₅

U = 2.45 V per cell

I₂ = 6% C₅ for max. 4 hours



Features

Ultra energy efficient due to low resistance

Increased cycle life due to Carbon Nano Tube Technology

Suitable for opportunity charging

Cost savings due to increased efficiency

Up to 2 x faster recharge

Allows for opportunity charging to give you those extra running times when required

Suitable for extreme temperature variants

Applications

Golf carts, including electric vehicles

Access Work Platform (AWP)

Cleaning Machines

Maritime

Wheelchairs

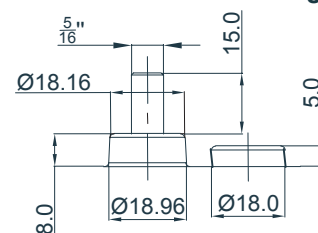
Solar & Renewable Energy

Traffic Systems

Caravans / Motorhomes RV's

Home Invertor

UTL Positive & Negative



Charging profile

IUI Charging

I_1 = min. 12% C_5 max. 40% C_5

U = 2.45 V per cell

I_2 = 6 % C_5 for max. 4 hours

Capacity vs Temperature

