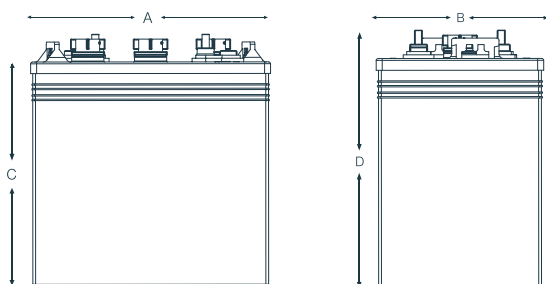
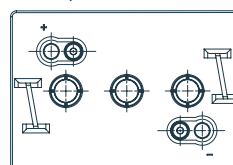


QSRF 105 (GC2)

QUASAR Flooded Carbon Nano Battery



Left - positive



Right - negative

Electrical Specifications

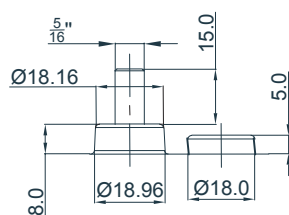
C5 Capacity	185Ah
C20 Capacity	225Ah
Voltage	6V
80% DOD Voltage Cutoff	5.6V
Self Discharge	Less than 3% per month (20°C/68°F)
Charge Temperature	Min: -10°C (14°F) / Max: 50°C (122°F)
Discharge Temperature**	Min: -40°C (-40°F) / Max: 50°C (122°F)
Storage	Min: -20°C (-4°F) / Max: 60°C (140°F)

Mechanical Specifications

Industry Reference	GC2	
Length (A)	10.2 in	260 mm
Width (B)	7.1 in	180 mm
Height (C)	9.7 in	247 mm
Height (D)	10.9 in	277 mm
Weight	61.7 lbs	28 kgs
Terminal (Opt'l)	UTL	
Cell(s)	3	
Electrolyte	Flooded	
Terminal Torque Nm	11-12Nm	

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

UTL



Positive & Negative

Features

Ultra energy efficient due to low resistance

Reduced operating temperatures for increased cycle life (up to 1000 cycles) and battery lifetime

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 Inverter

Charging profile

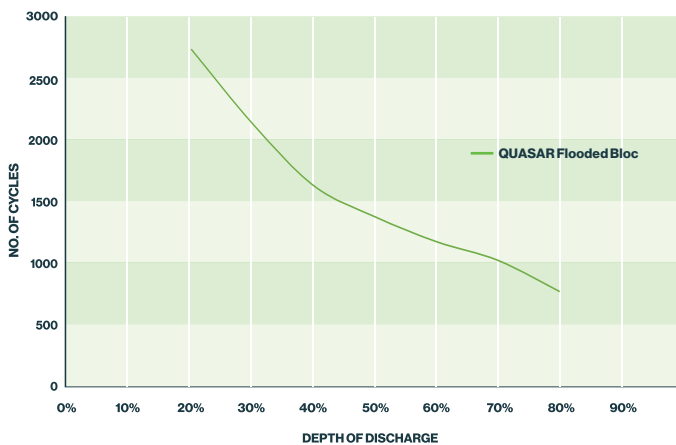
IUI Charging

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

Cycle life vs. depth of discharge (25°C)



Capacity vs Temperature

