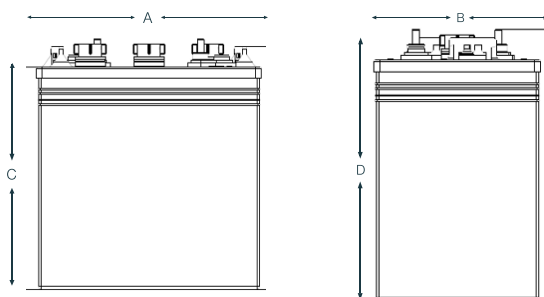


QSRF 125 (GC2)

QUASAR Flooded Carbon Nano Battery



Electrical Specifications

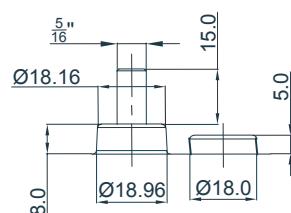
C5 Capacity	195 Ah
C20 Capacity	240 Ah
Voltage	6V
80% DOD Voltage Cutoff	5.6V
Self Discharge	Less than 3% per month (20°C/68°F)
Charge Temperature	Min: -10°C (14°F) / Max: 50°C (122°F)
Discharge Temperature**	Min: -40°C (-40°F) / Max: 50°C (122°F)
Storage	Min: -20°C (-4°F) / Max: 60°C (140°F)

Mechanical Specifications

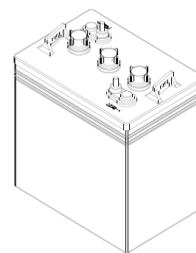
Industry Reference	GC2	
Length (A)	10.2 in	260 mm
Width (B)	7.1 in	180 mm
Height (C)	9.7 in	247 mm
Height (D)	10.9 in	277 mm
Weight	66.1 lbs	30 kgs
Terminal (Opt'l)	UTL	
Cell(s)	3	
Electrolyte	Flooded	
Terminal Torque Nm	11-12	

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

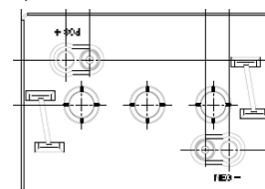
UTL



Positive & Negative



Left - positive



Right - 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

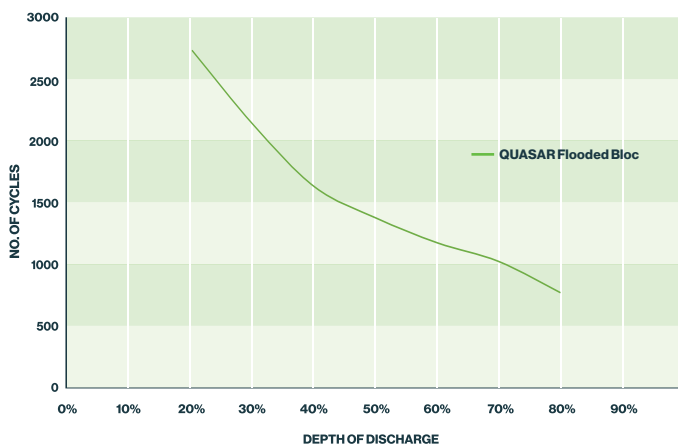
Caravans / Motorhomes RV's

Home Inverter

Charging profile

IUI Charging $I_1 = \text{min. } 12\% C_5 \text{ max. } 40\% C_5$
 $U = 2.45 \text{ V per cell}$
 $I_2 = 6\% C_5 \text{ for max. 4 hours}$

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



Capacity vs Temperature

