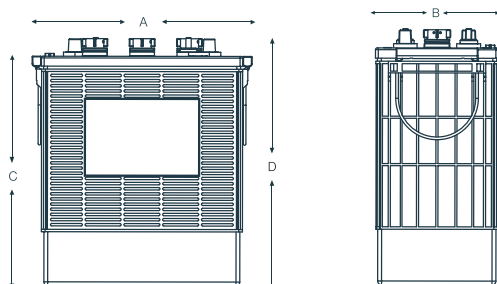


QSRF 305 HC (J305)

QUASAR Flooded Carbon Nano Battery



Electrical Specifications

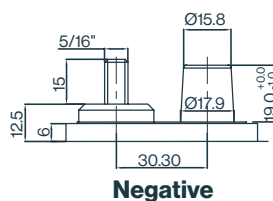
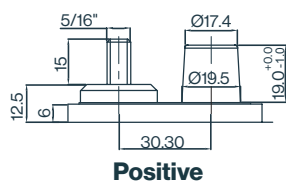
C5 Capacity	295Ah
C20 Capacity	350Ah
Voltage	6V
80% DOD Voltage Cutoff	5.6V
Self Discharge	Less than 3% per month (20°C/68°F)
Charge Temperature	Min: -10°C (14°F) / Max: 50°C (122°F)
Discharge Temperature**	Min: -40°C (-40°F) / Max: 50°C (122°F)
Storage	Min: -20°C (-4°F) / Max: 60°C (140°F)

Mechanical Specifications

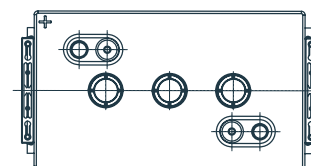
Industry Reference	J305	
Length (A)	12.1 in	308 mm
Width (B)	6.8 in	174 mm
Height (C)	13.3 in	339 mm
Height (D)	14.4 in	365 mm
Weight	97 lbs	44 kgs
Terminal (Opt'l)	Dual	
Cell(s)	3	
Electrolyte	Flooded	
Terminal Torque Nm	STUD: 11-12Nm AP: 6-8Nm	

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

Dual



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

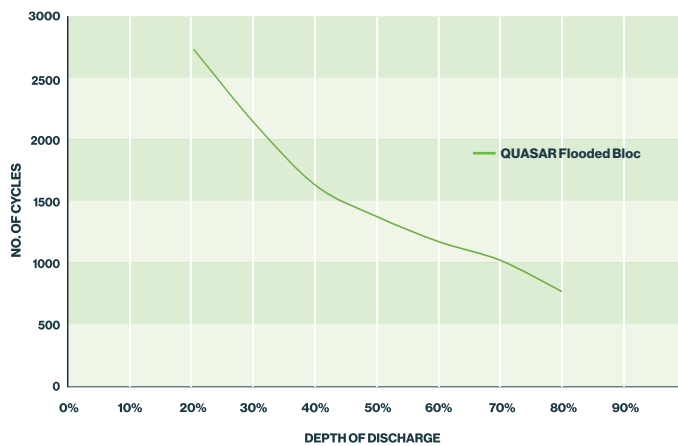
Caravans / Motorhomes RV's

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

