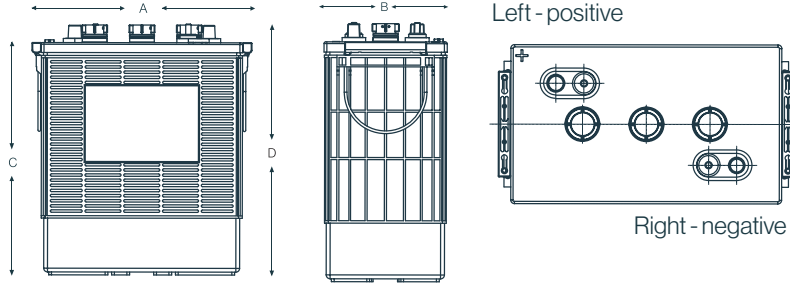


# QSRF 305 (J305)

## QUASAR Flooded Carbon Nano Battery



### Electrical Specifications

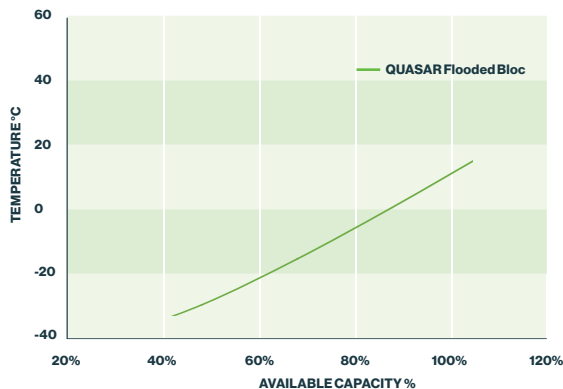
<b>C5 Capacity</b>	270Ah
<b>C20 Capacity</b>	315Ah
<b>Voltage</b>	6V
<b>80% DOD Voltage Cutoff</b>	5.6V
<b>Self Discharge</b>	Less than 3% per month (20°C/68°F)
<b>Charge Temperature</b>	Min: -10°C (14°F) / Max: 50°C (122°F)
<b>Discharge Temperature**</b>	Min: -40°C (-40°F) / Max: 50°C (122°F)
<b>Storage</b>	Min: -20°C (-4°F) / Max: 60°C (140°F)

### Mechanical Specifications

Industry Reference	J305	
<b>Length (A)</b>	12.1 in	308 mm
<b>Width (B)</b>	6.8 in	174 mm
<b>Height (C)</b>	13.3 in	339 mm
<b>Height (D)</b>	14.4 in	365 mm
<b>Weight</b>	89.3 lbs	40.5 kgs
<b>Terminal (Opt'l)</b>	Dual	
<b>Cell(s)</b>	3	
<b>Electrolyte</b>	Flooded	
<b>Terminal Torque Nm</b>	STUD: 11-12Nm AP: 6-8Nm	

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

### Capacity vs Temperature



**IUI Charging** I<sub>1</sub> = min. 12% C<sub>5</sub> max. 40% C<sub>5</sub>  
 U = 2.45 V per cell  
 I<sub>2</sub> = 6% C<sub>5</sub> 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

