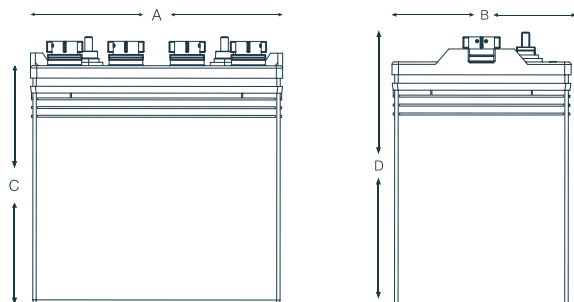
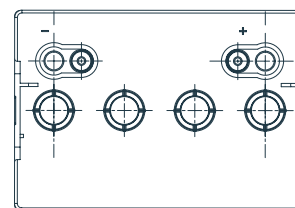


# QSRF 875 (GC8)

## QUASAR Flooded Carbon Nano Battery



Left - positive Right - negative



### Electrical Specifications

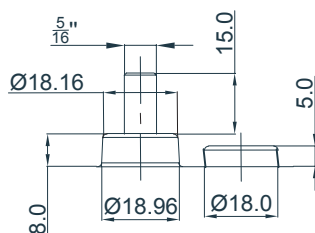
|                                |                                        |
|--------------------------------|----------------------------------------|
| <b>C5 Capacity</b>             | 145Ah                                  |
| <b>C20 Capacity</b>            | 170Ah                                  |
| <b>Voltage</b>                 | 8V                                     |
| <b>80% DOD Voltage Cutoff</b>  | 7.5V                                   |
| <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          | GC8      |        |
|-----------------------------|----------|--------|
| <b>Length (A)</b>           | 10.2 in  | 260 mm |
| <b>Width (B)</b>            | 7.1 in   | 180 mm |
| <b>Height over lid (C)</b>  | 9.7 in   | 247 mm |
| <b>Height over stud (D)</b> | 10.9 in  | 277 mm |
| <b>Weight</b>               | 63.9 lbs | 29 kgs |
| <b>Terminal (Opt'l)</b>     | UTL      |        |
| <b>Cell(s)</b>              | 4        |        |
| <b>Electrolyte</b>          | Flooded  |        |
| <b>Terminal Torque Nm</b>   | 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 Invertor

## Charging profile

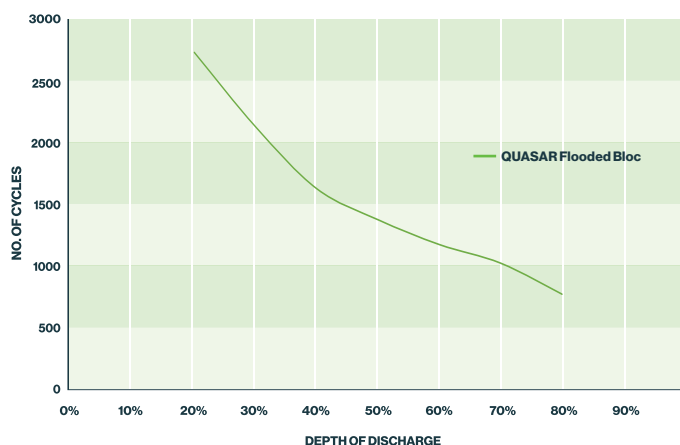
### IUI Charging

$I_1$  = 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

