

RESERVE POWER



QUASAR™ FT Range

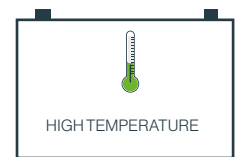
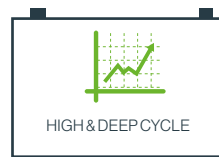
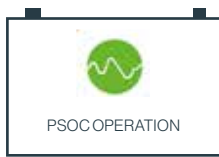
VRLA Gel Carbon Nano Battery



HIGH ENERGY ON DEMAND™

With an extensive product range available, Eternity Technologies prides itself on world-class product design, production processes, technical development, cost structure and global location.

Designed for demanding stationary applications, the new QUASAR 12V Battery range sets new benchmarks for performance. Available in capacities from 100Ah to 200Ah, this range seamlessly integrates VRLA Gel technology with cutting-edge Carbon Nano Tube (CNT) innovation. As a result, our batteries deliver unparalleled Deep Cycle performance, rapid recharge capabilities, and exceptional longevity even in high operating temperatures. Additionally, they accommodate partial states of charge (PSOC).



Features...

- Maintenance free
- Capacity: 100-200Ah
- Very long design life of 15 years
- Exceptional cycle life (>2000 cycles @ 50% DOD)
- Deep Cycle Resilient
- Partial State of Charge (PSOC) compatibility
- Central degassing
- Ultra fast recharge
- Shelf life of 2 years
- Operating temperature range -40°C to 55°C

Standards:

- EUROBAT 2015 classification: >12 years = very long life
- Design compliant with IEC 60896-21 / 22
- Underwriters Laboratories (UL) recognised component
- Manufactured in Eternity Technologies production facility certified to ISO 9001, ISO 14001 & ISO 45001
- Non-spillable battery approved for land, sea and air transportation in accordance with ADR / RID, IMDG & IATA

Applications:

- UPS Systems
- Telecommunications
- Emergency Lighting
- Utility

VRLA Gel Carbon Nano Battery Construction

Positive & negative plate

Advanced flat plate technology using lead calcium tin alloy which ensures low self discharge rates and low float currents

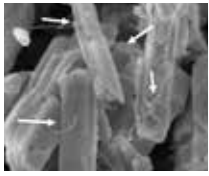
Terminal

Specifically designed leak proof terminals to allow for different connector fixing positions.

Pressure release valve

The valve is designed to open at a specific pressure to ensure that hydrogen gas can be released safely. Central degassing function available

Carbon Nanotube Technology



Eternity Technologies uses a patented Carbon Nano Tube solution which creates a network of individual nanotubes.

This allows for electrons to flow with minimal resistance resulting in greater charge / discharge performance therefore reducing operating temperatures.



Resulting in:

- Enhanced consistency of performance
- Improved charge acceptance
- Increased cycle life
- Partial State of Charge Operations (PSOC)
- Improved Thermal Operational Ranges

Specifications...

Type	Voltage	Capacity C10 @25°C	Length (mm / in)	Width (mm / in)	Height Container (mm/in)	Weight (kg/lbs)	Female Terminal	Front Terminal Adapter	Short Circuit Current (A)	Internal Resistance (Mohm)
QSR100FT	12	100	396 / 15.59	110 / 4.33	288 / 11.34	35 / 77.16	M8	M8	1474	8.20
QSR155FT	12	155	560 / 22.05	125 / 4.92	288 / 11.34	52 / 114.64	M8	M8	2285	5.50
QSR170FT	12	170	560 / 22.05	125 / 4.92	328 / 12.91	56.5 / 124.56	M8	M8	2506	4.85
QSR190FT	12	190	560 / 22.05	125 / 4.92	328 / 12.91	64.2 / 141.54	M8	M8	2800	4.30
QSR200FT	12	200	560 / 22.05	125 / 4.92	328 / 12.91	66.8 / 147.27	M8	M8	2948	4.10

± 5% weight tolerance

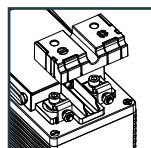
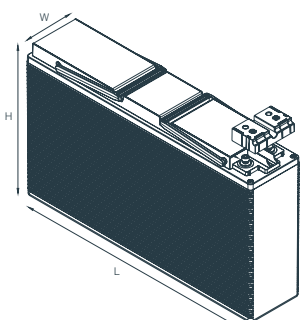
For standard ordering please use part number above.

Please add "A" after part number for product with front terminal adapters e.g. QSR200FTA

Please add "VO" after part number for UL-94 V0 rated flame-retardant plastic material, e.g. QSR200FTV0

Dependant on options required please add the relevant letter after the part number, e.g. QSR200FTV0A

Outline Drawings

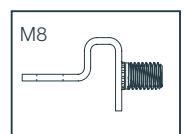


Front Terminal Adapters

Terminal Option

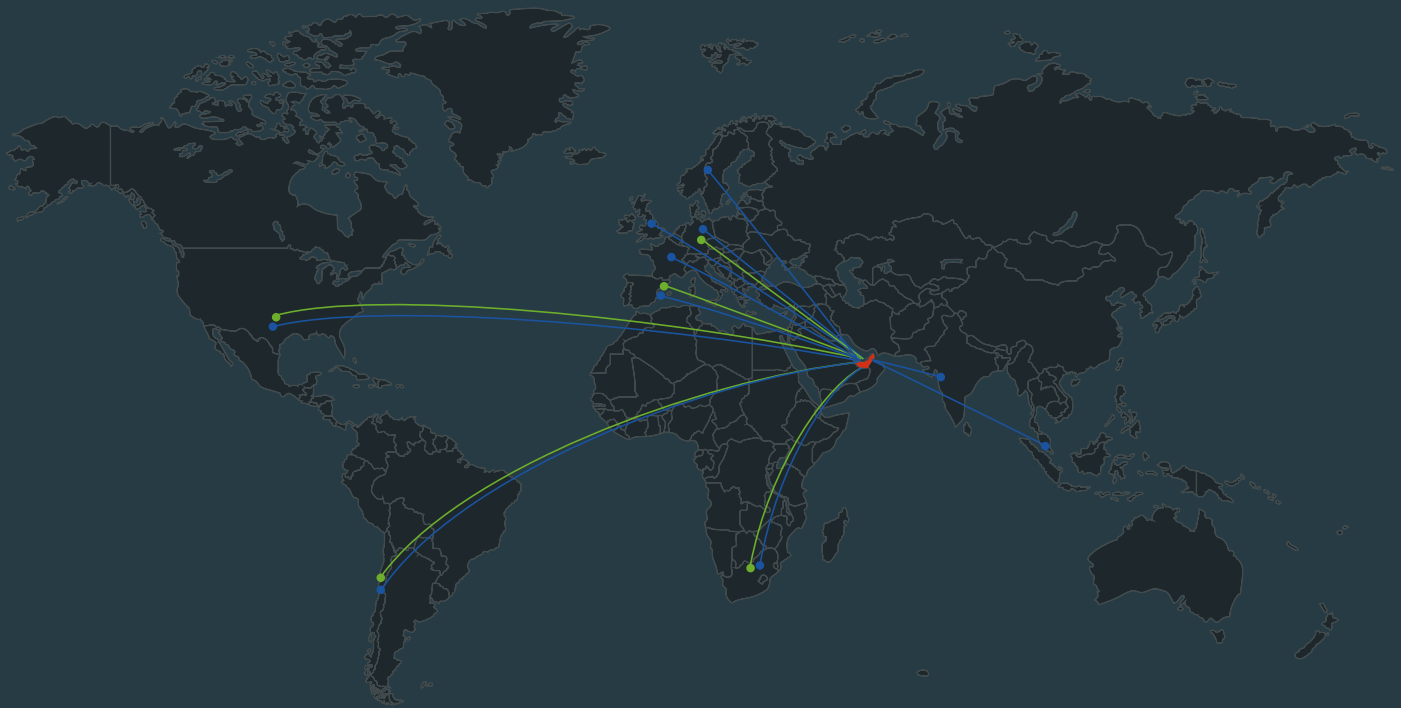


Torque: 8Nm



FT Adapter

A global leader in the industrial battery market providing world-class products for Motive Power and Reserve Power applications.



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