

MOTIVE POWER



QUASAR™
Carbon Nano Gel Bloc



HIGH ENERGY ON DEMAND™

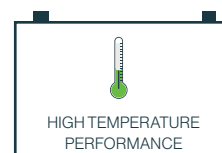
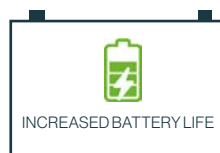
QUASAR™ Carbon Nano Gel Bloc - High Energy On Demand

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

Eternity Technologies ongoing commitment to delivering industry leading product, at the cutting edge of product development delivers QUASAR Carbon Nano Gel Bloc Battery.

QUASAR Carbon Nano Tube technology delivers greater charge acceptance and longer life versus conventional lead acid batteries.

Developed by Eternity Technologies, QUASAR utilises industry leading Carbon Nano Tube technology to deliver enhanced consistency of performance, improved charge acceptance and increased cycle life.



Features...

Maintenance free - no topping up required

Ultra energy efficient due to low resistance

Reduced operating temperatures for increased cycle life (>1500 cycles) and battery lifetime

Cost savings due to increased efficiency

Up to 2 x faster recharge

Increased design life from 12 to 15 years

Allows for opportunity charging to give you those extra running times when required

Suitable for extreme temperature variants.

Applications:

Suitable for all motive, leisure, solar & network power applications:

Electric Vehicles, including cleaning machines

Wheelchairs

Electric Working Platforms

UPS Systems

Traffic Systems

Telecommunications

Emergency Lighting

Caravans / Motorhomes RV's

Maritime

Solar

Renewable Energy

Home Invertor

For I&O&M please visit www.eternitytechnologies.com

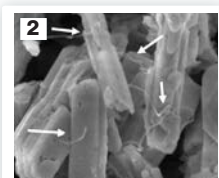
Compliant with EN60-254-1 & EN60-254-2 and IEC254-1 & IEC254-2





1. Fluid

Eternity Technologies uses patented Carbon Nano Tube Fluid Liquid in a specific battery pasting process.



2. Nanotubes

It creates a network of individual nanotubes allowing for electrons to flow with minimal resistance, as well as reinforcing the plates, adding lasting strength and durability.



Resulting in:

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

Bloc Specifications...

Type	US Group Type	Voltage	M.R.C. 25 Amps	Ah C ₅	Capacity Ah C ₁₀	Ah C ₂₀	Ah C ₁₀₀	Length (in/mm)	Width (in/mm)	Height Container (in/mm)	Weight (lbs/kg)	Terminal
EQ-GC2	GC2	6	430	180	194	206	221	10.25 / 260	7.08 / 180	10.16 / 258	72 / 33	M8 / AP / DU / ST
EQ-305	BCI305	6	595	245	263	280	305	11.89 / 302	7.00 / 178	13.62 / 346	99 / 45	M8 / AP / DU / ST
EQ-L16	L16	6	750	290	311	331	361	11.89 / 302	7.01 / 178	15.94 / 405	99 / 53	M10 / AP / DU / ST
EQ-24	BCI24	12	150	71	74	78	81	10.00 / 254	6.61 / 168	7.97 / 202.5	55 / 25	A-POLE
EQ-27	BCI27	12	165	78	81	87	92	12.09 / 307	6.61 / 168	8.31 / 211	71 / 32	M8 / AP / DU / ST
EQ-31M	BCI31	12	170	85	88	94	100	12.94 / 329	6.69 / 170	8.07 / 205	71 / 32	M8 / AP / DU / ST
EQ-34	BCI34	12	100	54	59	61	65	10.00 / 254	6.61 / 168	6.89 / 175	46 / 21	M6 / AP / DU / ST
EQ-48/H7	DINL3	12	100	51	54	56	57	10.90 / 277	6.89 / 175	7.48 / 190	46 / 21	A-POLE
EQ-49/H8	DINL5	12	155	73	77	81	85	13.80 / 350	6.89 / 175	7.48 / 190	62 / 28	A-POLE
EQ-5SHP*	5SHP/BCI12	12	230	108	116	123	130	13.58 / 329	6.75 / 170	10.16 / 258	93 / 42	M8 / AP / DU / ST
EQ-4D*	BCI4D	12	325	132	150	159	170	20.20 / 513	8.78 / 223	7.72 / 196	119 / 54	M8 / AP / DU / ST
EQ-8D*	BCI8D	12	430	177	200	212	230	20.39 / 518	10.79 / 274	8.46 / 215	150 / 68	M8 / AP / DU / ST
EQ-TypeA	TypeA	12	245	114	121	127	135	20.20 / 513	7.44 / 189	7.72 / 196	99 / 45	A-POLE
EQ-TypeB	TypeB	12	325	132	150	159	170	20.20 / 513	8.78 / 223	7.72 / 196	119 / 54	M8 / AP / DU / ST
EQ-TypeC	TypeC	12	430	177	200	212	230	20.39 / 518	10.79 / 274	8.46 / 215	150 / 68	M8 / AP / DU / ST

* Reverse polarity

± 5% weight tolerance

Terminal Options



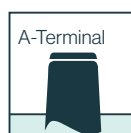
Torque: 6Nm



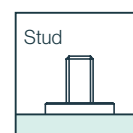
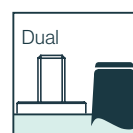
Torque: 8Nm



Torque: 10Nm



Height is an additional 20mm for A-Terminal, Dual & Stud



Charging profile

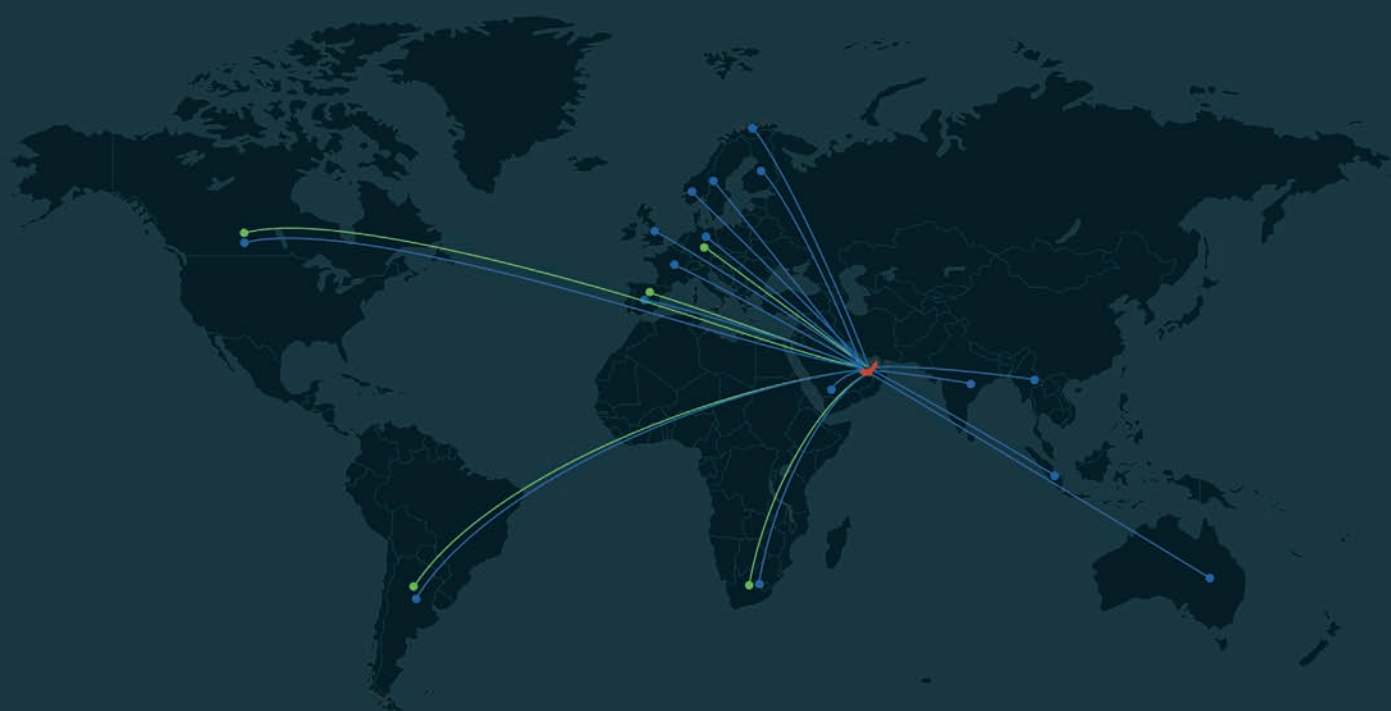
IU Charging

I = min. 12% C₅ max. 30% C₅
U = 2.4 V per cell

IUI Charging

I₁ = min. 12% C₅ max. 40% C₅
U = 2.35 V per cell
I₂ = 1.5 % C₅ for max. 4 hours

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



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