

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 (up to 1000 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

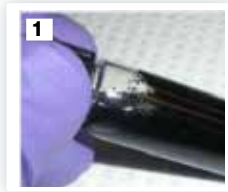
Home Inverter

Charging profile

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

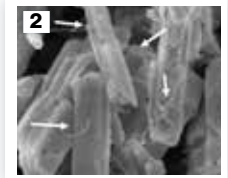
IUI Charging I₁ = min. 12% C₅ max. 40% C₅
U = 2.35 V per cell
I₂ = 1.5% C₅ for max. 4 hours





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	Capacity				Length (in/mm)	Width (in/mm)	Height Container (in/mm)	Weight (lbs/kg)	Terminal
				Ah C ₅	Ah C ₁₀	Ah C ₂₀	Ah C ₁₀₀					
EQ-GC2	GC2	6	435	180	194	206	221	10.25 / 260	7.08 / 180	10.16 / 258	72 / 33	M8 / AP / DU / ST
EQ-6180	-	6	435	184	198	210	225	9.57 / 243	7.36 / 187	10.79 / 274	71 / 32	M8 / AP
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	117 / 53	M10 / AP / DU / ST
EQ-24	BCI24	12	150	71	74	80	82	10.00 / 254	6.61 / 168	7.97 / 202.5	51 / 23	M6 / AP / DU / ST
EQ-27	BCI27	12	165	78	81	87	92	12.09 / 307	6.61 / 168	8.31 / 211	65 / 29.5	M8 / AP / DU / ST
EQ-31M	BCI31	12	170	85	88	94	100	12.94 / 329	6.69 / 170	8.07 / 205	65 / 29.5	M8 / AP / DU / ST
EQ-34	BCI34	12	100	54	59	61	65	10.00 / 254	6.61 / 168	6.89 / 175	43 / 19.5	M6 / AP / DU / ST
EQ-48/H7	DINL3	12	100	51	54	56	58	10.90 / 277	6.89 / 175	7.48 / 190	43 / 19.5	A-POLE
EQ-49/H8	DINL5	12	155	73	77	81	85	13.80 / 350	6.89 / 175	7.48 / 190	56 / 25.5	A-POLE
EQ-5SHP*	5SHP/BCI12	12	230	108	116	123	130	13.58 / 329	6.75 / 170	10.16 / 258	85 / 38.5	M8 / AP / DU / ST
EQ-4D*	BCI4D	12	325	132	150	159	170	20.20 / 513	8.78 / 223	7.72 / 196	109 / 49.5	M8 / AP / DU / ST
EQ-8D*	BCI8D	12	430	177	200	212	230	20.39 / 518	10.79 / 274	8.46 / 215	137 / 62	M8 / AP / DU / ST
EQ-Type A	Type A	12	245	114	121	127	135	20.20 / 513	7.44 / 189	7.72 / 196	90 / 41	A-POLE
EQ-Type B	Type B	12	325	132	150	159	170	20.20 / 513	8.78 / 223	7.72 / 196	109 / 49.5	M8 / AP / DU / ST
EQ-Type C	Type C	12	430	177	200	212	230	20.39 / 518	10.79 / 274	8.46 / 215	137 / 62	M8 / AP / DU / ST

* Reverse polarity

± 5% weight tolerance

Terminal Options



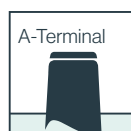
Torque: 6Nm



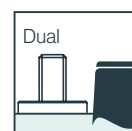
Torque: 8Nm



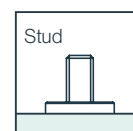
Torque: 16Nm



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



Positive 3/8"



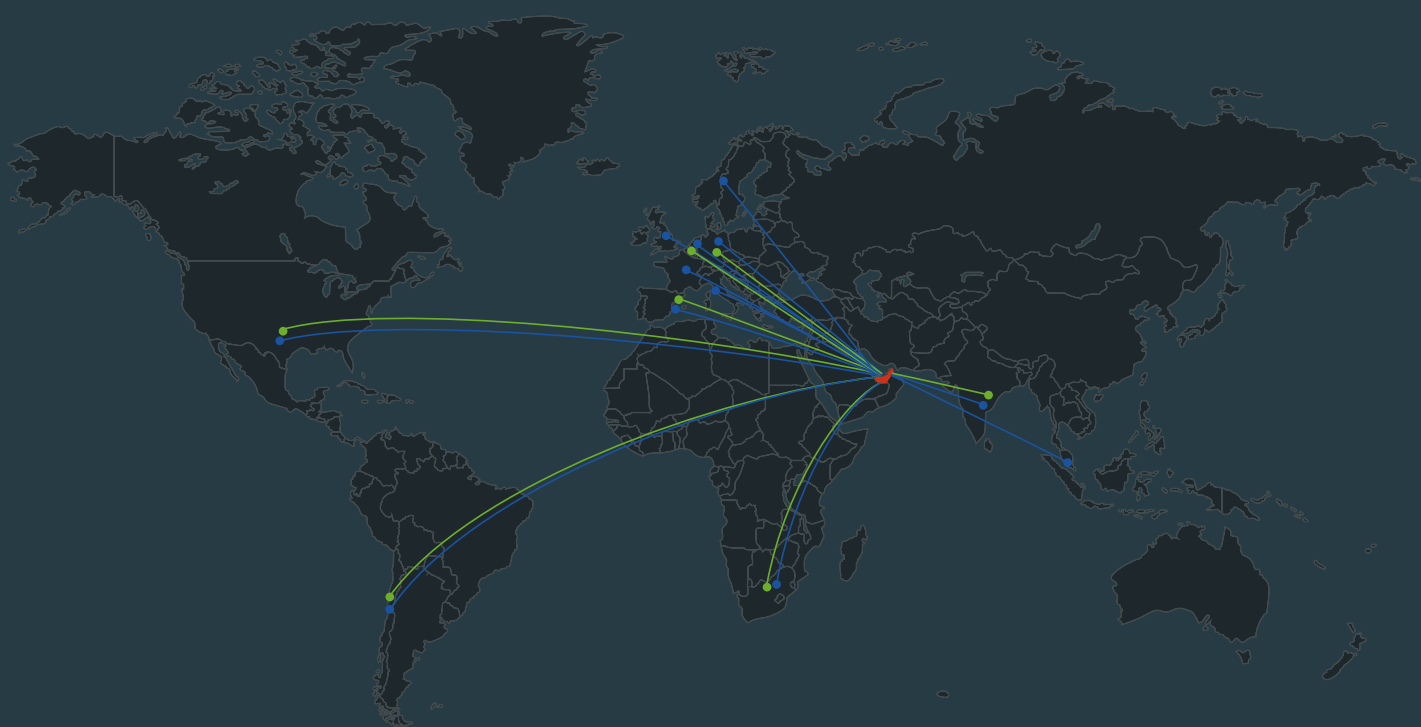
3/8"



Negative 5/16"



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



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