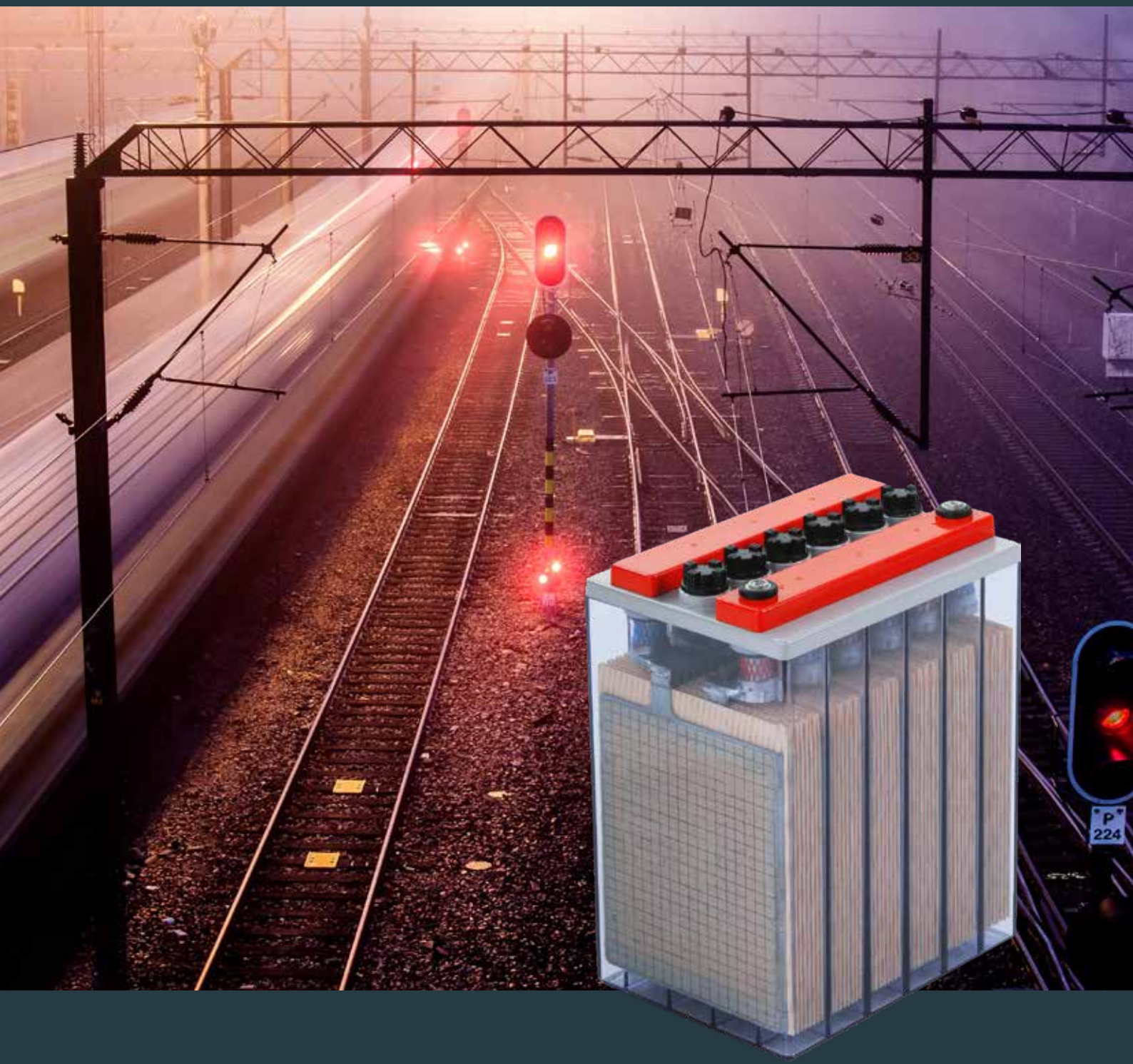
RESERVE POWER

Eternity TECHNOLOGIES



OGi Bloc

Flooded Deep Cycle Batteries

THINK GREEN THINK ETERNITY

OGi Bloc Battery

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 vented OGi lead-acid bloc batteries are suitable for the renewable energy market. Optimised design results in a low maintenance, reliable energy storage solution for critical and unstable conditions.

OGi Bloc Technology

Positive plate

Industry leading flat plate positive design with low antimony alloy for extended watering intervals

Negative plate

Industry leading negative plate design

Separator

High-porosity and corrosion-resistant ensures maximum capacity for the lifetime of the cell

Container

Manufactured from Styrene-Acrylonitrile resin (SAN) which is durable and heat resistant

Terminal

Maintains an airtight seal even when the plates expand and grow throughout the lifetime of the cell

Electrolyte

Acid density of 1.24kg/l ensures low self-discharge rates and long design life of the cell

Lid

Manufactured from Acrylonitrile-Butadiene-Styrene (ABS) which is durable and heat resistant

Features of OGi Bloc Batteries...

High energy density

Design according to DIN 40739

Minimal maintenance due to low antimony alloy and large electrolyte volume

Operating temperature 15°C to +35°C

EUROBAT design life: Long Life > 12 years

Fully recyclable with low CO_2 footprint

High current performance

Up to 3 year topping-up intervals in float condition

> 1000 cycles @ 80% D.O.D

Low self discharge rate of approximately 3% per month at 20°C

Applications...

Railway control centres

Railway signal systems

Solar

Traffic Systems

Hydro Power Generation

Emergency Lighting

Power Distribution

UPS Systems

Telecoms / Mobile Phone Stations

Compliant with: IEC 60896-11 & EN 50 272-2

Recyclable

OGi Bloc Cell Specification

DIN cell type	Nominal Voltage (V)	Capacity (Ah) C_{10} 1.8V Cell at 20°C	Length (mm)	Width (mm)	Height (H1) max. mm	Height (H2) max. mm	Filled weight (kg)	Internal resistance (mOhm)	Short circuit current (A)	Connection	C5 capacity (Ah) to 1.75VPC	C3 capacity (Ah) to 1.75VPC	C1 capacity (Ah) to 1.75VPC
ET 12V 1 OGI 25	12	25	272	205	349	400	32.30	16.97	720	M10	25.5	22.5	16.8
ET 12V 2 OGI 50	12	50	272	205	349	400	39.58	8.91	1410	M10	49.5	44.7	32.8
ET 12V 3 OGI 75	12	75	272	205	349	400	46.62	5.94	2110	M10	74.5	67.5	49.6
ET 12V 4 OGI 100	12	100	272	205	349	400	53.65	4.46	2810	M10	98.5	89.4	65.7
ET 12V 5 OGI 125	12	125	380	205	349	400	67.05	3.57	3520	M10	123	113.3	81.6
ET 12V 6 OGI 150	12	150	380	205	349	400	74.21	2.97	4220	M10	148.5	133.8	98.2
ET 6V 7 OGI 175	6	175	272	205	349	400	46.14	14	4930	M10	172.5	156	114.1
ET 6V 8 OGI 200	6	200	272	205	349	400	49.68	12	5630	M10	197.5	178.8	130
ET 6V 9 OGI 225	6	225	380	205	349	400	59.47	9	6360	M10	221.5	200.7	145.8
ET 6V 10 OGI 250	6	250	380	205	349	400	62.89	12	7040	M10	247	223.5	161.7
ET 6V 11 OGI 275	6	275	380	205	349	400	66.56	12	7780	M10	271.5	245.1	177.6
ET 6V 12 OGI 300	6	300	380	205	349	400	70.11	12	8440	M10	296	268.2	194.4

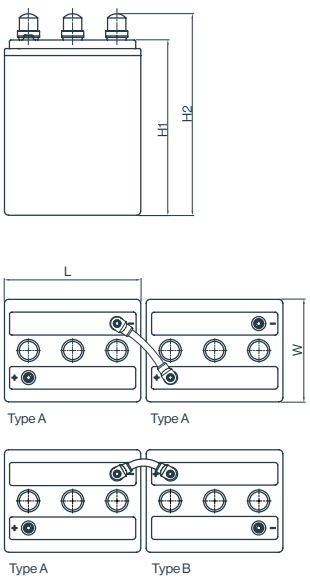
± 5% weight tolerance

H1: Height over lid
H2: Height including ceramic plug
M10 threaded terminal
Torque: 23Nm

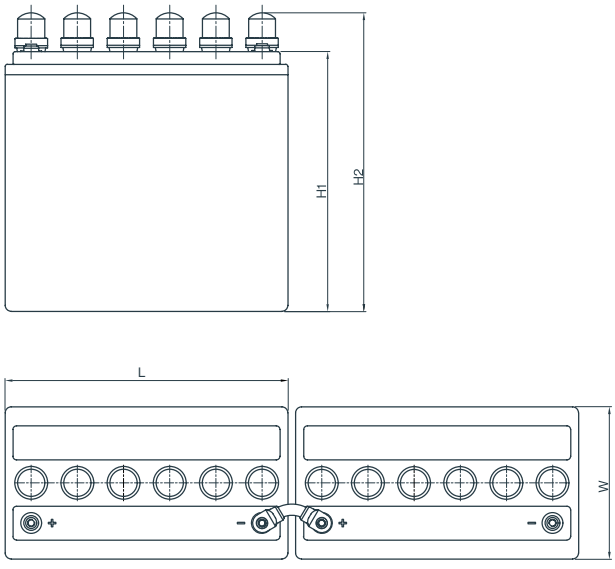
Not to scale

* 6V bloc batteries are manufactured in both type A and type B versions; see diagram below

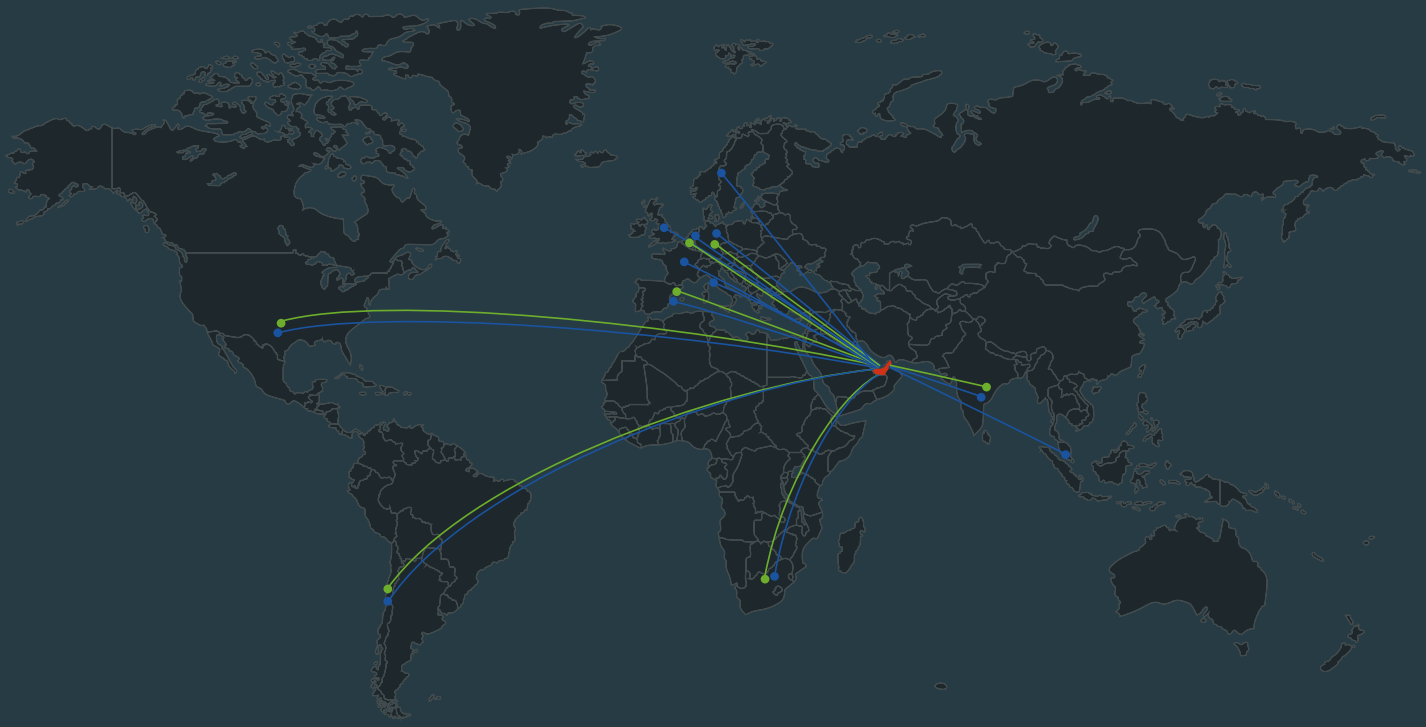
6 V Bloc



12 V Bloc



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



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