

OPzS Bloc

Eternity Technologies vented lead-acid batteries for the standby and renewable energy market. Optimised design results in a low maintenance, reliable energy storage solution for critical and unstable conditions.

N Part of our Network Power range

Features

High energy density

Robust tubular positive electrode design, compliant with DIN 40736

Minimal maintenance due to low antimony alloy and large electrolyte volume

Operating temperature 15°C to +35°C

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

EUROBAT design life: Long Life > 12 years

Fully recyclable with low CO₂ footprint

High cyclic performance

Up to 3 year topping-up intervals in float condition.

1500 cycles @ 80% D.O.D



Applications

Solar/ Wind Power Stations

Traffic Systems

Hydro Power Generation

Off Grid Solutions

Telecommunications/ Mobile Phone Stations

Power Distribution Companies

Power Plants

Switching Stations

Emergency Lighting

Cell specification

Type description according to DIN	Rated Voltage	Rated Capacity C ₁₀ according to DIN Ah	Actual Capacity C ₁₀ 1.80 VPC at 20°C (Ah)	Length (L) max. mm	Width (W) max. mm	Height (H1) max. mm	Height (H2) max. mm	Weight dry kg	Weight filled kg	Internal resistance mOhm	Short circuit current A
Blocs: 40737-3	(V)							kg	kg	mOhm	A
6V 3 OPzS-ET 150*	6	150	172	272	205	349	400	29.0	36.5	3.23	1884
6V 4 OPzS-ET 200*	6	200	230	272	205	349	400	35.2	47.1	2.80	2150
6V 5 OPzS-ET 250*	6	250	285	380	205	349	400	43.5	60.9	2.50	2620
6V 6 OPzS-ET 300*	6	300	345	380	205	349	400	50.5	67.1	2.10	2960
12V 1 OPzS-ET 50	12	50	58	272	205	349	400	24.4	37.7	18.20	670
12V 2 OPzS-ET 100	12	100	115	272	205	349	400	37.7	49.4	9.40	1220
12V 3 OPzS-ET 150	12	150	172	380	205	349	400	53.0	69.8	6.60	1800

± 5% weight tolerance

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

H1: Height over lid

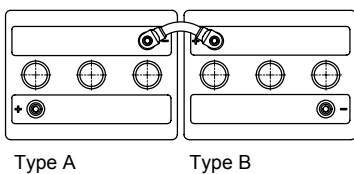
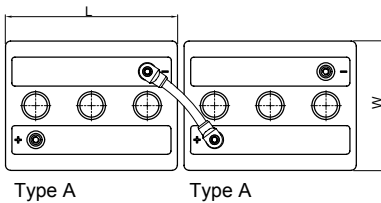
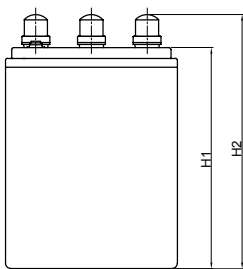
H2: Height including ceramic plug

M10 threaded terminal

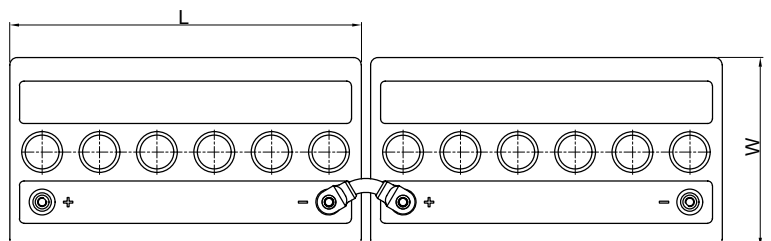
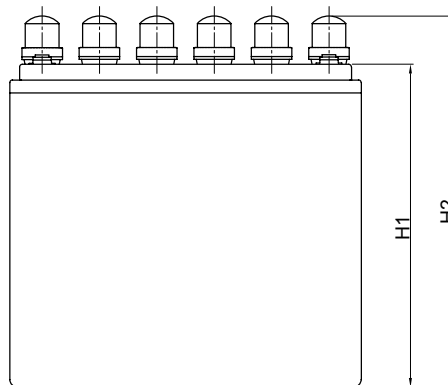
Torque: 23Nm

Not to scale

6 V Bloc



12 V Bloc



OPzS Bloc technical details constant current discharge

1.80 VpC								
	5m	10m	30m	1h	3h	5h	10h	100h
6V3 OPzS-ET 150*	148	137	106	77	43	30	18	3
6V4 OPzS-ET 200*	197	183	141	103	58	40	24	3
6V5 OPzS-ET 250*	246	229	176	129	72	50	31	4
6V6 OPzS-ET 300*	295	275	211	155	86	60	37	5
12V1 OPzS-ET 50	49	46	35	26	14	10	6	1
12V2 OPzS-ET 200	98	92	70	52	29	20	12	2
12V3 OPzS-ET 150	148	137	106	77	43	30	18	3

1.75 VpC								
	5m	10m	30m	1h	3h	5h	10h	100h
6V3 OPzS-ET 150*	174	163	119	86	46	31	19	3
6V4 OPzS-ET 200*	232	217	159	114	61	42	25	4
6V5 OPzS-ET 250*	290	272	199	143	76	52	31	4
6V6 OPzS-ET 300*	348	326	239	171	91	62	37	5
12V1 OPzS-ET 50	58	54	40	29	15	10	6	1
12V2 OPzS-ET 200	116	109	80	57	30	21	12	2
12V3 OPzS-ET 150	174	163	119	86	46	31	19	3

1.70 VpC								
	5m	10m	30m	1h	3h	5h	10h	100h
6V3 OPzS-ET 150*	207	190	133	92	48	32	19	3
6V4 OPzS-ET 200*	276	253	177	122	64	43	25	4
6V5 OPzS-ET 250*	345	317	221	153	80	54	31	4
6V6 OPzS-ET 300*	414	380	266	183	96	65	38	5
12V1 OPzS-ET 50	69	63	44	31	16	11	6	1
12V2 OPzS-ET 200	138	127	89	61	32	22	13	2
12V3 OPzS-ET 150	207	190	133	92	48	32	19	3

1.65 VpC								
	5m	10m	30m	1h	3h	5h	10h	100h
6V3 OPzS-ET 150*	234	214	142	96	49	33	19	3
6V4 OPzS-ET 200*	312	285	189	128	65	44	25	4
6V5 OPzS-ET 250*	390	357	236	160	82	55	32	5
6V6 OPzS-ET 300*	468	428	284	192	98	66	38	5
12V1 OPzS-ET 50	78	71	47	32	16	11	6	1
12V2 OPzS-ET 200	156	143	95	64	33	22	13	2
12V3 OPzS-ET 150	234	214	142	96	49	33	19	3

± 5% deviation

POWER FOR TOMORROW TODAY

The Eternity Technologies range is built using only the highest quality and most efficient production processes at our state-of-the-art manufacturing centre in the UAE.

It is this innovation, modern design criteria and industry-leading machinery that allows Eternity Technologies to not only meet the needs of the global industrial market with increased reliability but define it for the future.



Service



Accessories



Bloc Batteries



Chargers



Network Power



Motive Power



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