

RESERVE POWER



OPzV Standby

VRLA Gel Deep Cycle Batteries

POWER FOR TOMORROW TODAY

OPzV Standby 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 valve regulated lead-acid batteries for the standby power market. With an innovative Gel-Technology design Eternity Technologies OPzV Standby batteries have a reliable maintenance-free and leakage-free construction.

OPzV Standby Technology

Positive plate

Modern tubular design that maximises the active lead material to give high energy density. Lead calcium tin alloy ensures low self discharge rates and low float currents

Negative plate

The latest negative plate design ensures good retention and maximisation of the Negative Active material

Container & Lid

Manufactured from Acrylonitrile-Butadiene-Styrene (ABS) which is durable and offers good resistance to heat and chemicals. UL94-V0 flame retardant option also available



Terminal

Specifically designed terminal maintains an air-tight seal even when the plates expand and grow

Pressure release valve

The valve is designed to open at a specific pressure to ensure that hydrogen gas can be released safely

Electrolyte

Silica-based-gel-form electrolyte that has no water loss and therefore maintenance free

Separator

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

Features of OPzV Standby Batteries...

High energy density

Robust tubular positive electrode design, compliant with DIN 40742

Low self discharge rate allows for up to 2 years shelf life

Operating temperature -20°C to +55°C

20 year float life at 20°C (68°F)

EUROBAT design life: Long Life > 12 years

Fully recyclable with low CO₂ footprint

Applications...

UPS Systems

Traffic Systems

Emergency Lighting

Off Grid Solutions

Telecommunications

Compliant with: IEC 60896-21 / 22

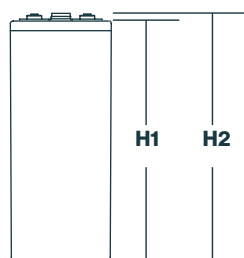


OPzV Standby Power

DIN Cell Type	Plate (Ah)	Length (mm)	Width (mm)	Height over lid (mm)	Height over pillar (mm)	Typical max weight (kg)	Internal resistance (mOhm)	Short circuit current (A)	Capacity (Ah) C10 - 1.8V Cell at 20°C
2 OPzV-ET 100	50	103	206	354	367	10.5	1.93	1050	113
3 OPzV-ET 150	50	103	206	354	367	15.3	1.30	1600	168
4 OPzV-ET 200	50	103	206	354	367	18.4	0.95	2100	225
5 OPzV-ET 250	50	124	206	354	367	22.2	0.79	2600	280
6 OPzV-ET 300	50	145	206	354	367	26.2	0.63	3300	335
5 OPzV-ET 350	70	124	206	471	484	30.7	0.62	3350	415
6 OPzV-ET 420	70	145	206	471	484	36.2	0.54	3900	500
7 OPzV-ET 490	70	166	206	471	484	41.7	0.47	4400	580
6 OPzV-ET 600	100	145	206	643	656	50.0	0.49	4300	710
7 OPzV-ET 700	100	145	206	643	656	53.0	0.41	4900	828
8 OPzV-ET 800	100	210	191	644	657	66.3	0.39	5200	950
9 OPzV-ET 900	100	210	233	646	659	78.0	0.38	5445	1069
10 OPzV-ET 1000	100	210	233	646	659	81.7	0.33	6050	1185
11 OPzV-ET 1100	100	210	275	645	658	92.0	0.28	7150	1300
12 OPzV-ET 1200	100	210	275	645	658	97.0	0.26	7900	1420
13 OPzV-ET 1300	100	210	275	645	658	100.0	0.25	8300	1500
11 OPzV-ET 1375	125	210	275	796	809	102.0	0.27	7800	1513
12 OPzV-ET 1500	125	210	275	796	809	111.9	0.24	8500	1650
13 OPzV-ET 1625	125	210	275	796	809	116.0	0.22	9500	1788
14 OPzV-ET 1750	125	214	399	771	784	145.8	0.21	10000	1925
15 OPzV-ET 1875	125	214	399	771	784	150.0	0.19	11000	2063
16 OPzV-ET 2000	125	214	399	771	784	155.6	0.18	11500	2200
17 OPzV-ET 2125	125	214	399	771	784	156.0	0.17	12200	2329
18 OPzV-ET 2250	125	214	399	771	784	165.0	0.16	13000	2466
19 OPzV-ET 2375	125	212	487	769	782	187.6	0.15	14000	2602
20 OPzV-ET 2500	125	212	487	769	782	190.1	0.14	14500	2740
21 OPzV-ET 2625	125	212	575	771	784	214.0	0.13	15450	2888
22 OPzV-ET 2750	125	212	575	771	784	216.4	0.12	16700	3025
23 OPzV-ET 2875	125	212	575	771	784	223.6	0.11	18200	3162
24 OPzV-ET 3000	125	212	575	771	784	226.2	0.10	20000	3300
25 OPzV-ET 3125	125	212	575	771	784	233.3	0.10	20200	3438
26 OPzV-ET 3250	125	212	575	771	784	236.0	0.10	20500	3575

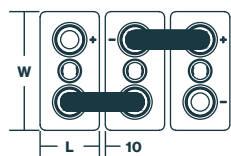
H1: Height over lid
H2: Height over pillar
M10 threaded terminal
Torque: 23Nm

Not to scale

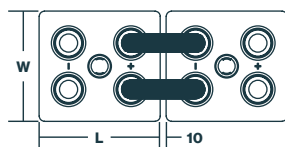


V0 option available

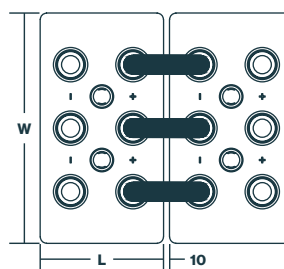
Horizontal installation possible



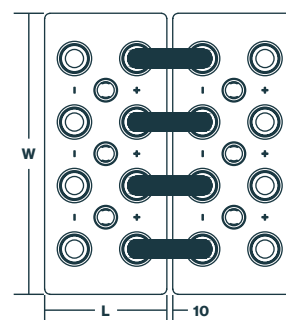
**2 OPzV-ET 100 to
7 OPzV-ET 700**



**8 OPzV-ET 800 to
13 OPzV-ET 1625**

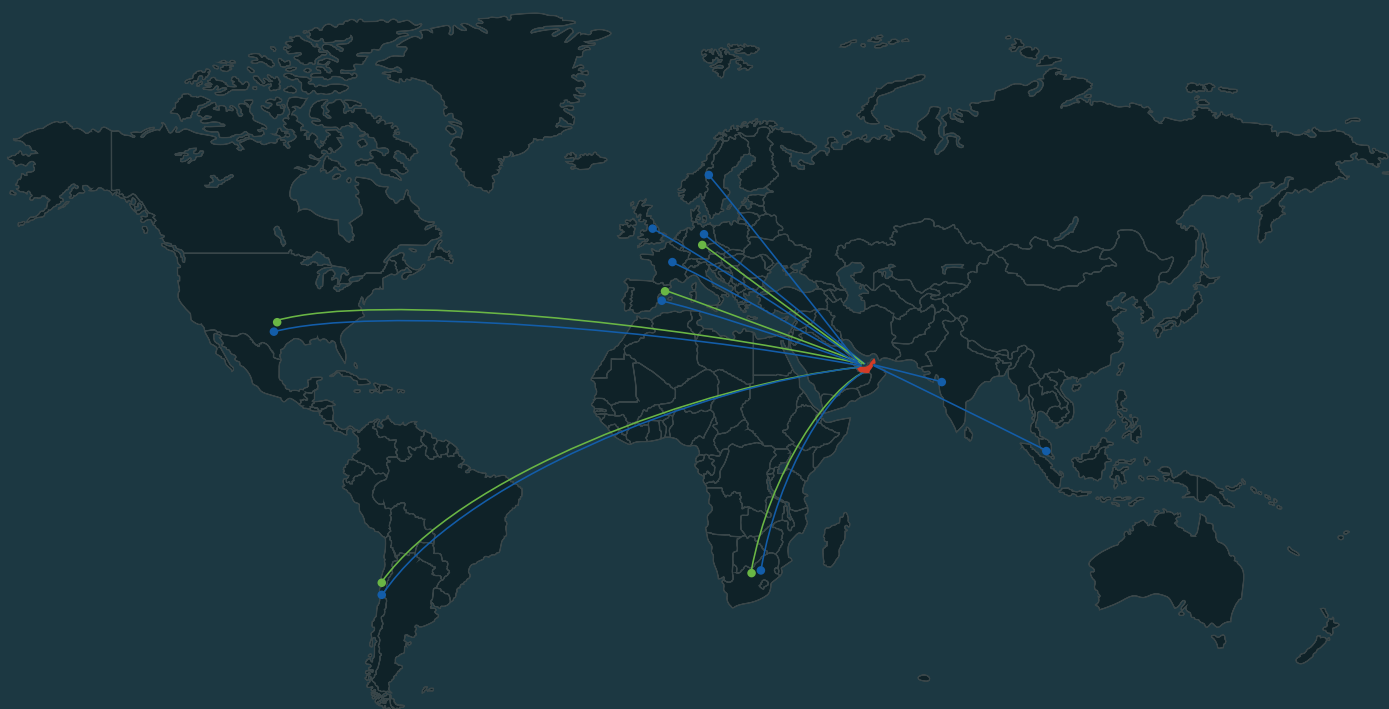


**14 OPzV-ET 1750 to
18 OPzV-ET 2250**



**19 OPzV-ET 2375 to
26 OPzV-ET 3250**

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



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