

MOTIVE POWER



Maintenance Free

Gel Motive Battery - PzV

THINK GREEN THINK ETERNITY

Maintenance Free

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 have brought together the latest manufacturing processes and modern design criteria to deliver the Eternity Technologies Gel Motive range, designed to meet the ever changing demands of the Global Motive Power market.

Maintenance Free Technology

Positive plate

High energy density tubular positive plate

Separator

High porosity corrosion resistant and ensures maximum capacity

Negative plate

Industry leading negative plate design



Sealing washer

Thermoplastic elastomer (TPE) sealing washer utilised for leak free sealing of the terminal

Gauntlet

Non-woven, high-capacity polyester gauntlet

Electrolyte

Silica based gel electrolyte that is maintenance free

Features of Maintenance Free Batteries...

Valve-regulated gas recombination batteries with tubular positive plate design and gel immobilised electrolyte

Maintenance free

Available in DIN & BS dimensions

Operating temperature -10°C to +45°C

Nominal capacities, for PzV 110Ah-1400Ah, for PzVB 122Ah-1020Ah

Cycle life > 1200 cycles at 60% D.O.D

Applications...

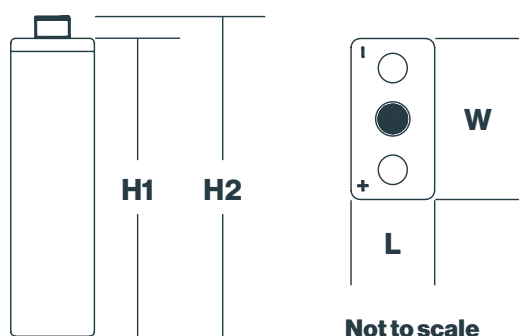
Materials Handling Equipment

Electric Vehicles

Cleaning Equipment

Low temperature facilities

Specifically for use in clean environments



± 5% weight tolerance

H1: Height over lid

H2: Overall height including connector and bolt

Torque: 23Nm

Compliant with

EN60-254-1 & EN60-254-2, IEC254-1 & IEC254-2



PzV DIN Product Range - 198mm wide

55 Ah Plate				70 Ah Plate				80 Ah Plate			
H1 = 341.5 mm H2 = 371.5 mm				H1 = 404 mm H2 = 434 mm				H1 = 458.5 mm H2 = 488.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET110	110	8.3	47	2 PzV-ET140	140	9.7	47	2 PzV-ET160	160	11.1	47
3 PzV-ET165	165	11.5	65	3 PzV-ET210	210	14.0	65	3 PzV-ET240	240	15.9	65
4 PzV-ET220	220	15.0	83	4 PzV-ET280	280	18.2	83	4 PzV-ET320	320	20.5	83
5 PzV-ET275	275	18.5	101	5 PzV-ET350	350	22.3	101	5 PzV-ET400	400	25.6	101
6 PzV-ET330	330	22.3	119	6 PzV-ET420	420	26.3	119	6 PzV-ET480	480	30.1	119
7 PzV-ET385	385	24.8	137	7 PzV-ET490	490	30.5	137	7 PzV-ET560	560	34.5	137
8 PzV-ET440	440	28.7	155	8 PzV-ET560	560	34.9	155	8 PzV-ET640	640	39.0	155
9 PzV-ET495	495	31.9	173	9 PzV-ET630	630	38.9	173	9 PzV-ET720	720	43.8	173
10 PzV-ET550	550	35.1	191	10 PzV-ET700	700	43.0	191	10 PzV-ET800	800	48.4	191

100 Ah Plate				110 Ah Plate				120 Ah Plate			
H1 = 554 mm H2 = 584 mm				H1 = 569 mm H2 = 599 mm				H1 = 671.5 mm H2 = 701.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET200	200	14.8	47	2 PzV-ET220	220	15.0	47	2 PzV-ET240	240	16.0	47
3 PzV-ET300	300	20.4	65	3 PzV-ET330	330	21.5	65	3 PzV-ET360	360	23.0	65
4 PzV-ET400	400	26.4	83	4 PzV-ET440	440	27.5	83	4 PzV-ET480	480	30.1	83
5 PzV-ET500	500	32.7	101	5 PzV-ET550	550	33.5	101	5 PzV-ET600	600	37.0	101
6 PzV-ET600	600	39.1	119	6 PzV-ET660	660	40.0	119	6 PzV-ET720	720	44.7	119
7 PzV-ET700	700	43.6	137	7 PzV-ET770	770	44.7	137	7 PzV-ET840	840	50.7	137
8 PzV-ET800	800	51.4	155	8 PzV-ET880	880	52.7	155	8 PzV-ET960	960	58.1	155
9 PzV-ET900	900	57.1	173	9 PzV-ET990	990	58.5	173	9 PzV-ET1080	1080	64.7	173
10 PzV-ET1000	1000	63.6	191	10 PzV-ET1100	1100	65.5	191	10 PzV-ET1200	1200	71.9	191

140 Ah Plate			
H1 = 713.5 mm H2 = 743.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET280	280	17.5	47
3 PzV-ET420	420	25.5	65
4 PzV-ET560	560	33.8	83
5 PzV-ET700	700	39.6	101
6 PzV-ET840	840	48.0	119
7 PzV-ET980	980	55.6	137
8 PzV-ET1120	1120	63.0	155
9 PzV-ET1260	1260	70.2	173
10 PzV-ET1400	1400	78.3	191

2

PzV-ET
PzVB-ET

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Number of positive plates

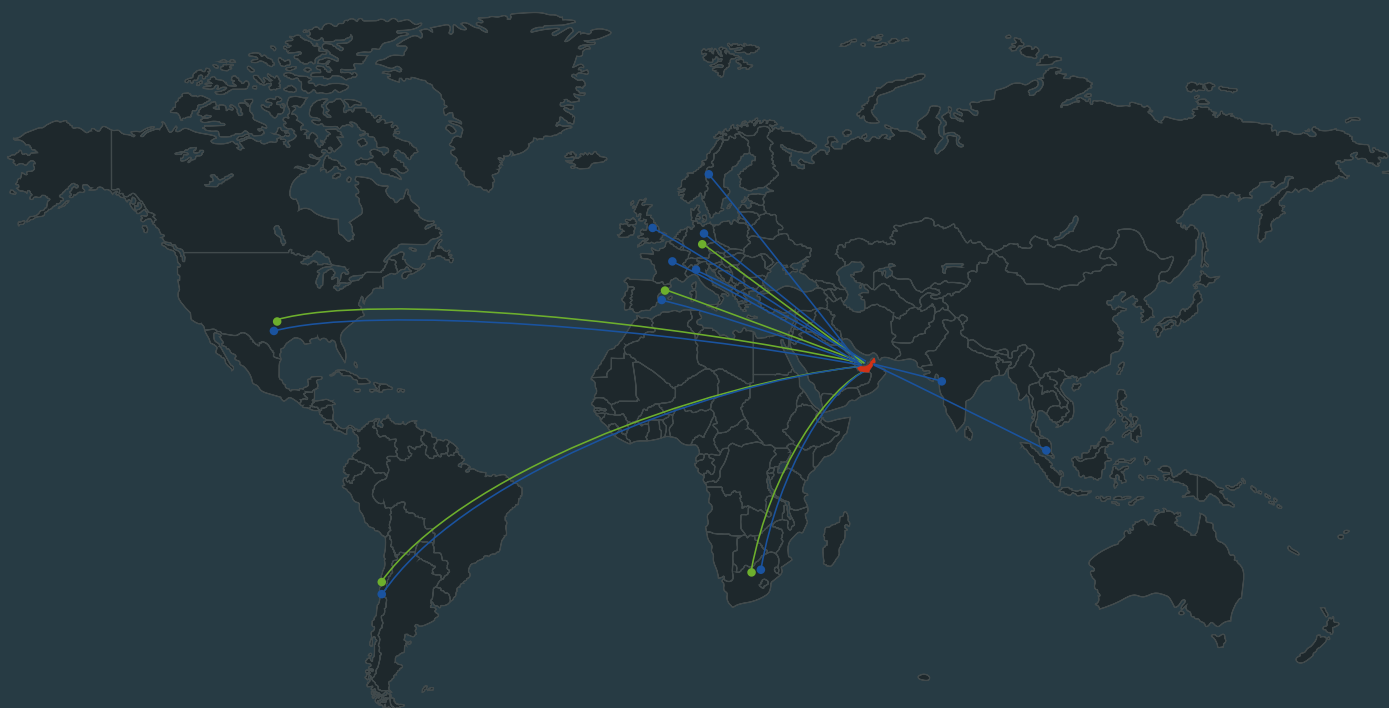
PzV-ET for DIN
PzVB-ET for BS

Cell capacity (Ah)

PzVB BS Product Range - 158mm wide

61 Ah Plate				71 Ah Plate				85 Ah Plate			
H1 = 454 mm H2 = 484 mm				H1 = 515 mm H2 = 545 mm				H1 = 610.5 mm H2 = 640.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzVB-ET122	122	8.3	46	2 PzVB-ET142	142	9.8	46	2 PzVB-ET170	170	11.4	46
3 PzVB-ET183	183	11.9	62	3 PzVB-ET213	213	13.7	62	3 PzVB-ET255	255	15.9	62
4 PzVB-ET244	244	15.1	78	4 PzVB-ET284	284	17.6	78	4 PzVB-ET340	340	20.7	78
5 PzVB-ET305	305	18.5	94	5 PzVB-ET355	355	21.7	94	5 PzVB-ET425	425	25.3	94
6 PzVB-ET366	366	21.8	110	6 PzVB-ET426	426	25.5	110	6 PzVB-ET510	510	29.6	110
7 PzVB-ET427	427	25.3	126	7 PzVB-ET497	497	29.3	126	7 PzVB-ET595	595	34.4	126
8 PzVB-ET488	488	28.2	142	8 PzVB-ET568	568	33.4	142	8 PzVB-ET680	680	39.3	142
9 PzVB-ET549	549	32.0	158	9 PzVB-ET639	639	37.3	158	9 PzVB-ET765	765	43.5	158
10 PzVB-ET610	610	35.6	174	10 PzVB-ET710	710	41.5	174	10 PzVB-ET850	850	48.7	174
11 PzVB-ET671	671	39.1	190	11 PzVB-ET781	781	45.5	190	11 PzVB-ET935	935	53.2	190
12 PzVB-ET732	732	42.5	206	12 PzVB-ET852	852	49.5	206	12 PzVB-ET1020	1020	57.5	206

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



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