

MOTIVE POWER



# Maintenance Free

Gel Motive Battery - PzV

**POWER FOR TOMORROW TODAY**

## 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



### Compliant with

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

2

Number of positive plates

PzV-ET  
PzVB-ET

PzV-ET for DIN  
PzVB-ET for BS

122

Cell capacity (Ah)

## PzV DIN Product Range - 198mm wide Weight, Capacity and Dimension Charts

55 Ah Plate			
H1 = 341.5 mm H2 = 371.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET110	110	8.3	47
3 PzV-ET165	165	11.5	65
4 PzV-ET220	220	15.0	83
5 PzV-ET275	275	18.5	101
6 PzV-ET330	330	22.3	119
7 PzV-ET385	385	24.8	137
8 PzV-ET440	440	28.7	155
9 PzV-ET495	495	31.9	173
10 PzV-ET550	550	35.1	191

70 Ah Plate			
H1 = 404mm H2 = 434mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET140	140	9.7	47
3 PzV-ET210	210	14.0	65
4 PzV-ET280	280	18.2	83
5 PzV-ET350	350	22.3	101
6 PzV-ET420	420	26.3	119
7 PzV-ET490	490	30.5	137
8 PzV-ET560	560	34.9	155
9 PzV-ET630	630	38.9	173
10 PzV-ET700	700	43.0	191

80 Ah Plate			
H1 = 458.5 mm H2 = 488.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET160	160	11.1	47
3 PzV-ET240	240	15.9	65
4 PzV-ET320	320	20.5	83
5 PzV-ET400	400	25.6	101
6 PzV-ET480	480	30.1	119
7 PzV-ET560	560	34.5	137
8 PzV-ET640	640	39.0	155
9 PzV-ET720	720	43.8	173
10 PzV-ET800	800	48.4	191

100 Ah Plate			
H1 = 554 mm H2 = 584 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET200	200	14.8	47
3 PzV-ET300	300	20.4	65
4 PzV-ET400	400	26.4	83
5 PzV-ET500	500	32.7	101
6 PzV-ET600	600	39.1	119
7 PzV-ET700	700	43.6	137
8 PzV-ET800	800	51.4	155
9 PzV-ET900	900	57.1	173
10 PzV-ET1000	1000	63.6	191

120 Ah Plate			
H1 = 671.5 mm H2 = 701.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzV-ET240	240	16.0	47
3 PzV-ET360	360	23.0	65
4 PzV-ET480	480	30.1	83
5 PzV-ET600	600	37.0	101
6 PzV-ET720	720	44.7	119
7 PzV-ET840	840	50.7	137
8 PzV-ET960	960	58.1	155
9 PzV-ET1080	1080	64.7	173
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

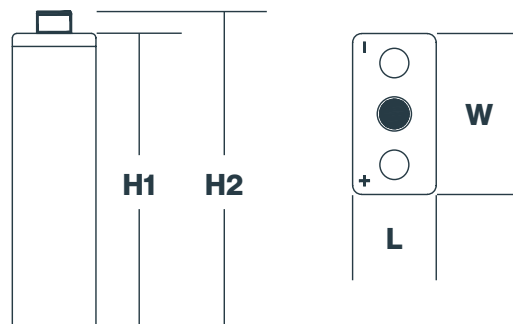
## PzVB BS Product Range - 158mm wide Weight, Capacity and Dimension Charts

61 Ah Plate			
H1 = 454 mm H2 = 484 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzVB-ET122	122	8.3	46
3 PzVB-ET183	183	11.9	62
4 PzVB-ET244	244	15.1	78
5 PzVB-ET305	305	18.5	94
6 PzVB-ET366	366	21.8	110
7 PzVB-ET427	427	25.3	126
8 PzVB-ET488	488	28.2	142
9 PzVB-ET549	549	32.0	158
10 PzVB-ET610	610	35.6	174
11 PzVB-ET671	671	39.1	190
12 PzVB-ET732	732	41.2	206

71 Ah Plate			
H1 = 515 mm H2 = 545 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzVB-ET142	142	9.8	46
3 PzVB-ET213	213	13.7	62
4 PzVB-ET284	284	17.6	78
5 PzVB-ET355	355	21.7	94
6 PzVB-ET426	426	25.5	110
7 PzVB-ET497	497	29.3	126
8 PzVB-ET568	568	33.4	142
9 PzVB-ET639	639	37.3	158
10 PzVB-ET710	710	41.5	174
11 PzVB-ET781	781	43.5	190
12 PzVB-ET852	852	48.3	206

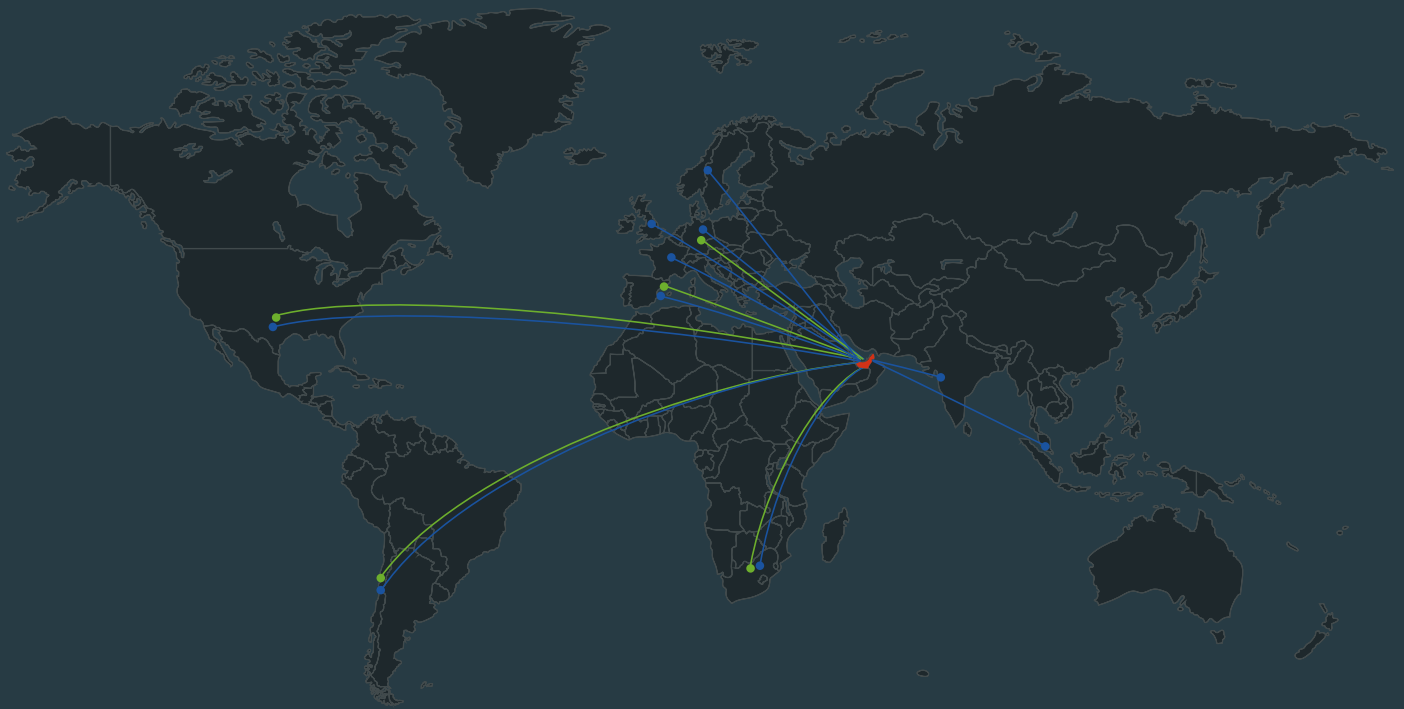
85 Ah Plate			
H1 = 610.5mm H2 = 640.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzVB-ET170	170	11.4	46
3 PzVB-ET255	255	15.9	62
4 PzVB-ET340	340	20.7	78
5 PzVB-ET425	425	25.3	94
6 PzVB-ET510	510	29.6	110
7 PzVB-ET595	595	34.4	126
8 PzVB-ET680	680	39.3	142
9 PzVB-ET765	765	43.5	158
10 PzVB-ET850	850	48.7	174
11 PzVB-ET935	935	53.2	190
12 PzVB-ET1020	1020	57.5	206

± 5% weight tolerance  
**H1: Height over lid**  
**H2: Overall height including connector and bolt**  
**Torque: 23Nm**



Not to scale

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



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