

# PzV Cells

**Bolted 198 and 158mm wide**

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



**Part of our Motive Power range**

## Features

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-720Ah, for PzVB 122Ah-340Ah

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

## Applications

Materials handling equipment

Cleaning equipment

Specifically for use in clean environments such as pharmaceutical, foods, chemical and retail outlets

Low temperature product storage facilities

Electric vehicles

## Compliant with

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

## PzV Cells (Standard)

### Positive plate

High energy density tubular positive plate

### Electrolyte

Silica based gel electrolyte that is maintenance free

### Sealing washer

Thermoplastic elastomer (TPE) sealing washer utilised for air-tight sealing of the terminal



### Negative plate

Industry leading negative plate design

### Gauntlet

Non-woven, high-capacity polyester gauntlet

### Separator

High porosity corrosion resistant and ensures maximum capacity

## 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     | 8.8         | 47          |
| 3 PzV-ET165                             | 165     | 12.3        | 65          |
| 4 PzV-ET220                             | 220     | 15.8        | 83          |
| 5 PzV-ET275                             | 275     | 19.3        | 101         |
| 6 PzV-ET330                             | 330     | 22.9        | 119         |
| 7 PzV-ET385                             | 385     | 26.4        | 137         |

| 70 Ah Plate H1 = 404 mm H2 = 434 mm |         |             |             |
|-------------------------------------|---------|-------------|-------------|
| Cell type                           | Ah (C5) | Weight (kg) | Length (mm) |
| 2 PzV-ET140                         | 140     | 10.4        | 47          |
| 3 PzV-ET210                         | 210     | 14.7        | 65          |
| 4 PzV-ET280                         | 280     | 19.0        | 83          |
| 5 PzV-ET350                         | 350     | 23.2        | 101         |
| 6 PzV-ET420                         | 420     | 27.5        | 119         |

| 80 Ah Plate H1 = 458.5 mm H2 = 488.5 mm |         |             |             |
|-----------------------------------------|---------|-------------|-------------|
| Cell type                               | Ah (C5) | Weight (kg) | Length (mm) |
| 2 PzV-ET160                             | 160     | 11.8        | 47          |
| 3 PzV-ET240                             | 240     | 16.7        | 65          |
| 4 PzV-ET320                             | 320     | 21.6        | 83          |
| 5 PzV-ET400                             | 400     | 26.5        | 101         |
| 6 PzV-ET480                             | 480     | 31.4        | 119         |

| 100 Ah Plate H1 = 554 mm H2 = 584 mm |         |             |             |
|--------------------------------------|---------|-------------|-------------|
| Cell type                            | Ah (C5) | Weight (kg) | Length (mm) |
| 2 PzV-ET200                          | 200     | 14.7        | 47          |
| 3 PzV-ET300                          | 300     | 21.0        | 65          |
| 4 PzV-ET400                          | 400     | 27.2        | 83          |
| 5 PzV-ET500                          | 500     | 33.5        | 101         |
| 6 PzV-ET600                          | 600     | 39.8        | 119         |

| 120 Ah Plate H1 = 671.5 mm H2 = 701.5 mm |         |             |             |
|------------------------------------------|---------|-------------|-------------|
| Cell type                                | Ah (C5) | Weight (kg) | Length (mm) |
| 2 PzV-ET240                              | 240     | 17.0        | 47          |
| 3 PzV-ET360                              | 360     | 24.2        | 65          |
| 4 PzV-ET480                              | 480     | 31.4        | 83          |
| 5 PzV-ET600                              | 600     | 38.6        | 101         |
| 6 PzV-ET720                              | 720     | 45.8        | 119         |

# PzVB BS Product Range - 158mm wide

## Weight, Capacity and Dimension Charts

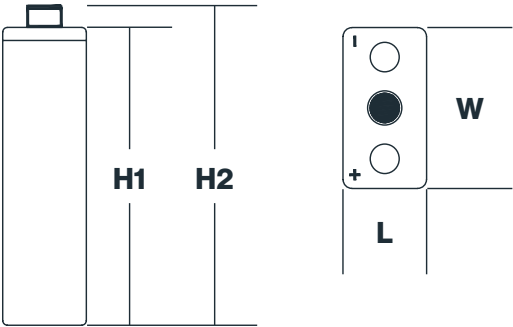
| 61 Ah Plate             |         |             |             |
|-------------------------|---------|-------------|-------------|
| H1 = 454 mm H2 = 484 mm |         |             |             |
| Cell type               | Ah (C5) | Weight (kg) | Length (mm) |
| 2 PzVB-ET122            | 122     | 8.3         | 46          |
| 3 PzVB-ET183            | 183     | 11.9        | 62          |
| 4 PzVB-ET244            | 244     | 15.1        | 78          |

| 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          |

| 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% weight tolerance  
H1 = height over lid  
H2 = overall height including connector and bolt  
M10 threaded terminal  
Torque: 23Nm

Not to scale



|                           |                                  |                    |
|---------------------------|----------------------------------|--------------------|
| 2                         | PzV-ET<br>PzVB-ET                | 122                |
|                           |                                  |                    |
| Number of positive plates | PzV-ET for DIN<br>PzVB-ET for BS | Cell capacity (Ah) |

# 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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