

# Mining Cells

## Bolted 158mm wide

Eternity Technologies have brought together the latest manufacturing processes and modern design criteria to deliver the Eternity Technologies Mining range of Cells designed to meet the ever changing demands of the Global Motive Power market. Eternity Technologies Mining Low Maintenance Cells are designed to have minimal water loss resulting in extended watering periods and reduced routine maintenance.



## Features

Lead-acid vented batteries with liquid electrolyte

Capacity for Mining product range: 440-1050Ah

Non-woven tubular sleeving helps to increase productivity while maximising performance

Modern tubular design maximises the active lead material and delivers optimised energy

The latest separator design delivers increased acid volumes and increases acid circulation

Fully insulated terminals

Flame retardant container and lid

Double pillar design for high discharge rates



## Applications

Mining locomotives surface

Mining locomotives underground

## Compliant with

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

# Mining Cells

## Positive plate

High energy density tubular design with low antimony alloy for extended watering intervals

## Separator

Microporous polyethylene separator design delivers increased acid volumes

## Sealing washer

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



## Negative plate

Industry leading negative plate design

## Gauntlet

Non-woven, high-capacity polyester gauntlet

## Base prism

Rigid polypropylene prism to collect dislodged active material preventing bottom edge shorts

## Mining Cells (Standard) - Weight, Capacity and Dimension Charts

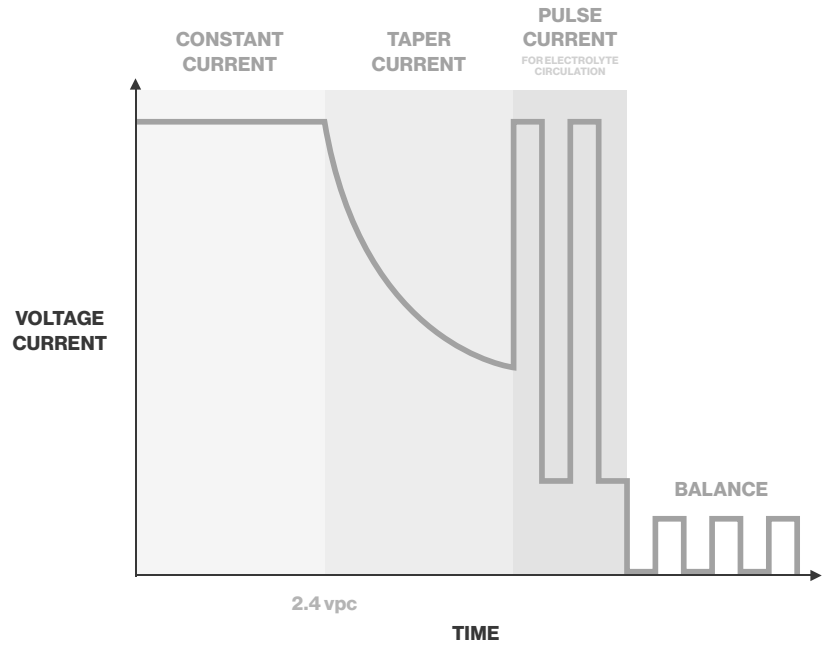
55 Ah Plate		H1 = 402 mm H2 = 432 mm	
Cell type	Ah (C5)	Weight (kg)	Length (mm)
8 PzBM-ET 440	440	24.9	142
9 PzBM-ET 495	495	28.3	158
10 PzBM-ET 550	550	30.5	174
11 PzBM-ET 605	605	34.0	190
12 PzBM-ET 660	660	36.2	206
13 PzBM-ET 715	715	39.9	221
14 PzBM-ET 770	770	42.8	237

65 Ah Plate		H1 = 454 mm H2 = 484 mm	
Cell type	Ah (C5)	Weight (kg)	Length (mm)
8 PzBM-ET 520	520	28.2	142
9 PzBM-ET 585	585	32.0	158
10 PzBM-ET 650	650	35.6	174
11 PzBM-ET 715	715	38.9	190
12 PzBM-ET 780	780	42.0	206
13 PzBM-ET 845	845	45.8	221
14 PzBM-ET 910	910	49.1	237

75 Ah Plate		H1 = 515 mm H2 = 545 mm	
Cell type	Ah (C5)	Weight (kg)	Length (mm)
8 PzB-ET 600	600	32.8	142
9 PzB-ET 675	675	36.2	158
10 PzB-ET 750	750	40.2	174
11 PzB-ET 825	825	43.5	190
12 PzB-ET 900	900	48.3	206
13 PzB-ET 975	975	51.9	221
14 PzB-ET 1050	1050	55.9	237

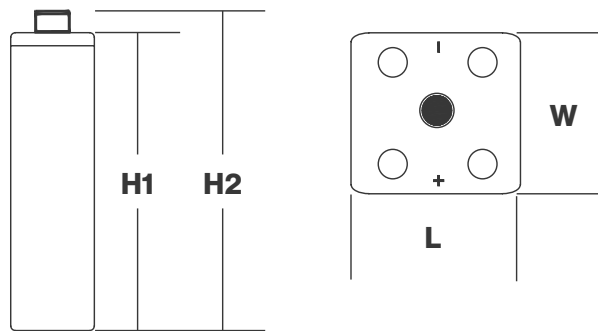
# Low maintenance recharge profile

Extended watering intervals of up to 90 days when using a low maintenance pulse charging profile with no reduction in capacity.



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

Not to scale



<b>10</b>	<b>PzBM-ET</b>	<b>550</b>
Number of positive plates	PzBM-ET for Mining	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**



**Eternity Technologies FZ-LLC**

Al Jazeera / Al Hamra, PO Box 35102,  
Ras Al Khaimah, UAE

**Sales & service**

[info@eternitytechnologies.com](mailto:info@eternitytechnologies.com)

[www.eternitytechnologies.com](http://www.eternitytechnologies.com)