

**STANDARD  
BATTERY  
SOLUTIONS**

**POWERBLOC™  
POWERBLOC DRY™**

**BIGGER POWER FOR  
SMALL TRACTION**



**EnerSys**  
Power/Full Solutions

# STANDARD BATTERY SOLUTIONS

*powerbloc  
powerbloc dry*

## BIGGER POWER FOR SMALL TRACTION

Powerbloc™ and Powerbloc Dry™ are ranges of bloc batteries for all applications in small traction, from cleaning machines to pallet trucks, industrial electric vehicles, aerial platforms, automated guided vehicles, as well as domestic applications like wheelchairs and golf carts. Powerbloc are flooded batteries whilst Powerbloc Dry are gas recombination VRLA batteries.

These batteries can be recharged with HF or 50Hz chargers with approved charging profiles. It is always recommended to use our Hawker HF range of chargers.

Our Hawker® Modular and COMpact™ HF chargers are equipped with microprocessors and ensure a quick, reliable full recharge from full 80% discharge. These chargers have an electronically regulated characteristic charging curve to ensure the charge is optimised, whilst being gentle on the battery. The charging process is automatically controlled and terminated. All chargers are protected against overload and short circuit.



## RANGE TECHNICAL TABLE

| POWERBLOC TP |             |                     |                      |                      |     |     |             |                                    |                        |                        |
|--------------|-------------|---------------------|----------------------|----------------------|-----|-----|-------------|------------------------------------|------------------------|------------------------|
| Type         | Voltage [V] | C <sub>5</sub> [Ah] | C <sub>20</sub> [Ah] | Dimensions [max. mm] |     |     | Weight [kg] | N° of cycles <sup>1)</sup> 80% DOD | Polarity <sup>2)</sup> | Terminal <sup>3)</sup> |
|              |             |                     |                      | L                    | W   | H   |             |                                    |                        |                        |
| 6 TP 175     | 6           | 175                 | 230                  | 263                  | 183 | 270 | 30.5        | 1100                               | 1                      | AP                     |
| 6 TP 180     | 6           | 180                 | 220                  | 244                  | 190 | 269 | 29.5        | 1100                               | 1                      | AP                     |
| 6 TP 210     | 6           | 210                 | 260                  | 244                  | 190 | 269 | 33.5        | 1100                               | 1                      | AP                     |
| 12 TP 70     | 12          | 70                  | 90                   | 308                  | 176 | 217 | 25.5        | 1100                               | 1                      | AP                     |
| 12 TP 90     | 12          | 90                  | 120                  | 344                  | 171 | 233 | 28.6        | 1100                               | 1                      | AP                     |
| 12 TP 110    | 12          | 110                 | 140                  | 345                  | 173 | 278 | 39.0        | 1100                               | 1                      | AP                     |
| 12 TP 125    | 12          | 125                 | 160                  | 508                  | 175 | 225 | 38.5        | 1100                               | 3                      | AP                     |

| POWERBLOC FPT |             |                     |                      |                      |     |     |             |                                    |                        |                        |
|---------------|-------------|---------------------|----------------------|----------------------|-----|-----|-------------|------------------------------------|------------------------|------------------------|
| Type          | Voltage [V] | C <sub>5</sub> [Ah] | C <sub>20</sub> [Ah] | Dimensions [max. mm] |     |     | Weight [kg] | N° of cycles <sup>1)</sup> 80% DOD | Polarity <sup>2)</sup> | Terminal <sup>3)</sup> |
|               |             |                     |                      | L                    | W   | H   |             |                                    |                        |                        |
| 6 FPT 185     | 6           | 185                 | 237                  | 260                  | 180 | 277 | 27.8        | 700                                | 1                      | UT                     |
| 6 FPT 195     | 6           | 195                 | 250                  | 261                  | 181 | 278 | 29.2        | 700                                | 1                      | UT                     |
| 6 FPT 210     | 6           | 210                 | 269                  | 263                  | 179 | 291 | 31.7        | 700                                | 1                      | UT                     |
| 6 FPT 215     | 6           | 215                 | 275                  | 297                  | 181 | 293 | 33.2        | 700                                | 1                      | UT                     |
| 6 FPT 255     | 6           | 255                 | 326                  | 316                  | 180 | 368 | 41.2        | 700                                | 1                      | UT                     |
| 6 FPT 305     | 6           | 305                 | 390                  | 312                  | 182 | 418 | 50.6        | 700                                | 1                      | UT                     |
| 8 FPT 145     | 8           | 145                 | 186                  | 262                  | 181 | 278 | 28.7        | 700                                | 1                      | UT                     |
| 12 FPT 85     | 12          | 85                  | 109                  | 323                  | 172 | 232 | 26.6        | 700                                | 2                      | DT                     |
| 12 FPT 105    | 12          | 105                 | 134                  | 349                  | 171 | 248 | 29.0        | 700                                | 2                      | DT                     |
| 12 FPT 120    | 12          | 120                 | 150                  | 350                  | 180 | 278 | 39.2        | 700                                | 2                      | UT                     |
| 12 FPT 150    | 12          | 150                 | 192                  | 394                  | 176 | 374 | 49.6        | 700                                | 1                      | UT                     |

| POWERBLOC DRY MFP |             |                     |                      |                      |     |     |             |                                    |                                    |                        |                        |
|-------------------|-------------|---------------------|----------------------|----------------------|-----|-----|-------------|------------------------------------|------------------------------------|------------------------|------------------------|
| Type              | Voltage [V] | C <sub>5</sub> [Ah] | C <sub>20</sub> [Ah] | Dimensions [max. mm] |     |     | Weight [kg] | N° of cycles <sup>1)</sup> 60% DOD | N° of cycles <sup>1)</sup> 80% DOD | Polarity <sup>2)</sup> | Terminal <sup>3)</sup> |
|                   |             |                     |                      | L                    | W   | H   |             |                                    |                                    |                        |                        |
| 6 MFP 180         | 6           | 180                 | 216                  | 249                  | 190 | 275 | 29.6        | 700                                | 500                                | 1                      | AP                     |
| 6 MFP 240         | 6           | 240                 | 307                  | 311                  | 183 | 358 | 47.0        | 700                                | 500                                | 1                      | AP                     |
| 12 MFP 50         | 12          | 50                  | 65                   | 278                  | 175 | 190 | 21.0        | 700                                | 500                                | 1                      | AP                     |
| 12 MFP 70         | 12          | 70                  | 90                   | 307                  | 169 | 228 | 24.1        | 700                                | 500                                | 2                      | AP                     |
| 12 MFP 80         | 12          | 80                  | 93                   | 307                  | 169 | 228 | 27.1        | 700                                | 500                                | 2                      | AP                     |
| 12 MFP 105        | 12          | 105                 | 129                  | 349                  | 174 | 283 | 37.4        | 700                                | 500                                | 1                      | AP                     |

Dimensions: +/- 2 mm | Overall Height | Weight: +/- 5%

1) Maximum 80% of DOD (depth of discharge).

2) Polarity variants, see next page.

3) Terminal configuration, see next page.

## POWERBLOC TP

### Cell construction

The Powerbloc TP series consist of robust tubular positive plates with free electrolyte to ensure a long operating life.

### Benefits

- Premium tubular plate construction for robust 1100 cycle performance.
- Maximum performance giving best possible run-times in the heaviest duty applications.
- Extended performance and run time for maximum machine performance.

| Variants of polarity |   |   |   |
|----------------------|---|---|---|
|                      | 1 | 2 | 3 |
| 6 V                  |   |   |   |
| 8 V                  |   |   |   |
| 12 V                 |   |   |   |

## POWERBLOC FPT

### Cell construction

The Powerbloc FPT series has advanced flat grid plates and paste formulation with free electrolyte giving extended service life. It is especially suited to arduous deep cycle semi-traction applications.

### Benefits

- Advanced separator design and paste formulation gives true 700 cycle performance.
- Enhanced performance gives extended running times and lower maintenance.
- Superior performance means more productive run-time.

| Terminal Configuration |                         |
|------------------------|-------------------------|
|                        | Automotive Post (AP)    |
|                        | Universal Terminal (UT) |
|                        | Dual Terminal (DT)      |

## POWERBLOC DRY MFP

### Cell construction

The Powerbloc Dry MFP series consist of grid plates in special alloy with gel electrolyte.

### Benefits

- Reduced maintenance due to electrolyte immobilized in a gel.
- Very high aptitude for high current, reduced self-discharge and resilient to temperature variations.
- For applications in medium cycling duty.

| Variants of polarity   |                      |   |
|------------------------|----------------------|---|
|                        | 1                    | 2 |
| 6 V                    |                      |   |
| 12 V                   |                      |   |
| Terminal Configuration |                      |   |
|                        | Automotive Post (AP) |   |



## **ABOUT ENERSYS®**


EnerSys®, the global leader in stored energy solutions for industrial applications, manufactures and distributes reserve power and motive power batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide.

Motive power batteries and chargers are utilised in electric forklift trucks and other commercial electric powered vehicles.

Reserve power batteries are used in the telecommunication and utility industries, uninterruptible power supplies, and numerous applications requiring stored energy solutions including medical, aerospace and defence systems.

Outdoor equipment enclosure products are utilised in the telecommunication, cable, utility, transportation industries and by government and defence customers.

The company also provides aftermarket and customer support services to its customers from over 100 countries through its sales and manufacturing locations around the world.



**WHEREVER  
YOU DO BUSINESS,  
ENERSYS  
CAN SUPPORT  
YOU WITH MOTIVE  
POWER ENERGY.**



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