

# MOTIVE POWER BROCHURE

---



[www.lincon.co.uk](http://www.lincon.co.uk)

# ABOUT LINCON BATTERIES

With over 100 years' manufacturing batteries in the UK, both Lincon Batteries and Shield Batteries Group are some of the battery industry's 'true professionals', with a wealth of experience, expertise, and success matched by few other companies.

Highly skilled in manufacturing with a long proven track record, Lincon Batteries are renowned for delivering the ultimate quality and performance in every battery supplied. To this day, our customers trust us to deliver the best products using the best possible components.

Lincon Batteries (part of the Shield Batteries Group) are renowned throughout the battery industry for our quality and service and are proud to have been awarded ISO 9001, 14001, and 45001 accreditations. We are a robust company that adapts to ups and downs in individual industries, so our customers can depend on us to be there when they need us in good times or bad.



**DIN and BS Tubular Motive Power Batteries** Batteries in our DIN and BS ranges have the highest levels of reliability and can be used in all makes and types of material handling equipment. Working together with our manufacturing partners and by using the latest new technologies available, we can offer a full DIN and BS range of batteries both in flooded and Gel maintenance free types. All of our flooded ranges can be equipped with Battery Filling Systems (BFS) for lower maintenance and extreme reliability. Available from 150-1550ah our DIN and BS range are suitable for both ambient and cold store applications. Our SPzV Gel ranges are made using the latest manufacturing processes and modern design criteria.



**LITHIUM Plug and Play System** LITHIUM Plug and Play System Lithium Batteries are available in Cegasa and Sterling brands as direct replacement for your lead acid battery. This plug and play system is simple and easy to use, simply disconnect your old lead acid battery and replace it with your new lithium battery. There is no need for any special set up or installation.

Lithium batteries are compatible with all makes and models of battery-operated equipment and are available in a range of different ah ratings and in 24v and 48v. Lithium technology adds many advantages to your business over using lead acid batteries. Switching to lithium allows you to lower operating costs due to greater charge / discharge efficiency, and also saves you money on maintenance contracts as lithium is totally maintenance free.

Charging Lithium is simple, with no fumes or spills you do not require a special charging area. The battery supports opportunity charging, which can be done with our chargers and at any time during the shift, therefore your operation is not affected as your machine can work 24/7 around the clock. The extended warranty enables you to use one single battery for the service life of your machine, therefore increasing the productivity of your business.



**Crown Deep Cycle Batteries** Known as the "The Power Behind Performance", Crown batteries are manufactured in the USA to meet the needs of the industrial, marine and automotive industries. Crown Batteries are designed to work better and last longer. Crown Batteries have the highest quality and service rating in the industry and we're proud to stock their products here at Shield. With a company-wide dedication to quality control and continual improvement, Crown batteries have invested in high-performance designs and modern manufacturing facilities which consistently deliver best-available performance, reliability and return on investment.



**AGM/GEL Batteries** Lincon Batteries supply quality VRLA batteries from Crown, Sonnenschein, Sterling & SEC UK. The dry-traction battery ranges are Valve-Regulated Lead-Acid batteries. Unlike conventional traction batteries with liquid electrolyte these dry-traction batteries have immobilised electrolyte (Gelled sulphuric acid or AGM). These batteries offer maintenance free power solutions for motive power applications.



**Lithium LiFePO4 Batteries** We supply LiFePO4 batteries from Sterling & SEC UK in the same footprint as traditional lead acid batteries, or in bespoke design for motive power applications. Lithium Phosphate Rechargeable batteries have characteristics that offer fast recharging. These light weight mono blocs and battery solutions have wide operating temperature ranges, excellent cycling performance (up to 3000 cycles) and low internal resistance. That provide high efficiency and a flat terminal voltage. Therefore 100 % of the battery's capacity can be accessed.



**Starter Batteries** For petrol and diesel engines, High quality batteries are available in our Shield brand, in addition to this we are also a distributor for Yuasa and Duracell batteries that are high performance for all applications. Lincon Batteries offer the ultimate choice when it comes to selecting vehicle starter batteries. We provide a no compromise high quality product in order to meet customer requirements. Starter batteries are available in AGM, EFB, and traditional lead acid for automotive, commercial, bus, agricultural, and all other vehicles and equipment where starter batteries are required.

# CHARGING SOLUTIONS

Correct battery charging is as important as selecting the correct battery. Protecting and properly maintaining your battery begins with selecting the right battery charger. There are many different factors to consider when selecting a battery charger however charging batteries incorrectly is the most common cause for premature battery failure.

Not choosing the correct charger or charge profile for your battery's technology can reduce the life of your battery dramatically, our experts at Shield can advise you when choosing the correct charger for your needs.

## Traditional Charging



Traditional standard chargers are available in single and three phase options for 24v, 36v, 48v, 72v and 80v and are for lead acid batteries. Charging solutions for fork lift, industrial cleaning machines, aerial platforms, and all other electric vehicles applications are available from our traditional charger range.

## High Frequency Charging



We have partnered with SPE and can supply High Frequency (HF) chargers in single and three phase. SPE's GREEN range for Motive Power equipment are manufactured in Italy using the latest technology and software. Our HF chargers are fully programmable, and compatible with all battery technology types, therefore delivering the correct voltage and current to maximise your batteries performance and life.

## Lithium Battery Charging



With Lithium technology batteries becoming more popular in different markets, we can offer a range of lithium chargers to suit your requirements. Lithium batteries are able to be charged more quickly and thanks to fast-charge and opportunity charging, you can charge your battery without having to change it. Our Lithium Motive Power batteries have an additional connector to simplify the charging operation, so there is often no need to disconnect the battery from your machine during the charge process.

## Charging Solutions for all Applications



Choosing the right battery charger is as important as selecting the right battery. We can offer complete charging solutions for all applications, whether it's a maintenance charger for a classic vehicle or industrial charger for airport equipment, we can supply the right charging solution. Chargers are available from our battery centres for all types of batteries including Traditional Wet, Gel and Lithium technologies. Please contact us for more information and to discuss our many Charger solutions.

# BS SPECIFICATION - TRACTION CELLS (158MM WIDE)

Positive plate capacity 32 Ah, overall height 298mm, to lid top 268mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 64   | 64              | 45          | 4.1             | 1.0            | 5.3                |
| 3 SPzB 96   | 96              | 61          | 5.5             | 1.3            | 7.2                |
| 4 SPzB 128  | 128             | 77          | 7.0             | 1.7            | 9.3                |
| 5 SPzB 160  | 160             | 93          | 8.5             | 2.1            | 11.2               |
| 6 SPzB 192  | 192             | 109         | 10.0            | 2.5            | 13.2               |
| 7 SPzB 224  | 224             | 125         | 11.5            | 2.8            | 15.1               |
| 8 SPzB 256  | 256             | 141         | 13.0            | 3.2            | 17.1               |
| 9 SPzB 288  | 288             | 157         | 14.4            | 3.6            | 19.0               |
| 10 SPzB 320 | 320             | 173         | 15.9            | 4.0            | 21.0               |
| 11 SPzB 352 | 352             | 189         | 17.5            | 4.4            | 23.1               |
| 12 SpzB 384 | 384             | 205         | 19.7            | 4.7            | 25.8               |
| 13 SPzB 416 | 416             | 221         | 21.3            | 5.1            | 27.9               |

Positive plate capacity 32 Ah, overall height 354mm, to lid top 324mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 84   | 84              | 45          | 4.6             | 1.3            | 6.3                |
| 3 SPzB 126  | 126             | 61          | 6.5             | 1.8            | 8.8                |
| 4 SPzB 168  | 168             | 77          | 8.7             | 2.3            | 11.6               |
| 5 SPzB 210  | 210             | 93          | 10.4            | 2.8            | 13.9               |
| 6 SPzB 252  | 252             | 109         | 12.2            | 3.3            | 16.4               |
| 7 SPzB 294  | 294             | 125         | 14.0            | 3.8            | 18.8               |
| 8 SPzB 336  | 336             | 141         | 15.8            | 4.3            | 21.3               |
| 9 SPzB 378  | 378             | 157         | 17.6            | 4.8            | 23.8               |
| 10 SPzB 420 | 420             | 173         | 19.4            | 5.3            | 26.2               |
| 11 SPzB 462 | 462             | 189         | 21.7            | 5.8            | 29.1               |
| 12 SpzB 504 | 504             | 205         | 24.3            | 6.3            | 32.5               |
| 13 SPzB 546 | 546             | 221         | 26.3            | 6.8            | 35.0               |

Positive plate capacity 55 Ah, overall height 428mm, to lid top 398mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 110  | 110             | 45          | 6.1             | 1.6            | 8.1                |
| 3 SPzB 165  | 165             | 61          | 8.4             | 2.2            | 11.1               |
| 4 SPzB 220  | 220             | 77          | 10.7            | 2.8            | 14.3               |
| 5 SPzB 275  | 275             | 93          | 13.1            | 3.4            | 17.4               |
| 6 SPzB 330  | 330             | 109         | 15.3            | 4.0            | 20.5               |
| 7 SPzB 385  | 385             | 125         | 17.6            | 4.6            | 23.5               |
| 8 SPzB 440  | 440             | 141         | 20.0            | 5.3            | 26.7               |
| 9 SPzB 495  | 495             | 157         | 22.3            | 5.9            | 29.8               |
| 10 SPzB 550 | 550             | 173         | 24.6            | 6.5            | 32.9               |
| 11 SPzB 605 | 605             | 189         | 27.0            | 7.1            | 36.1               |
| 12 SpzB 660 | 660             | 205         | 30.1            | 7.7            | 40.0               |
| 13 SPzB 715 | 715             | 221         | 32.4            | 8.3            | 43.1               |

Positive plate capacity 65 Ah, overall height 478mm, to lid top 448mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 130  | 130             | 45          | 6.8             | 1.8            | 9.0                |
| 3 SPzB 195  | 195             | 61          | 9.4             | 2.4            | 12.5               |
| 4 SPzB 260  | 260             | 77          | 12.1            | 3.1            | 16.1               |
| 5 SPzB 325  | 325             | 93          | 14.7            | 3.7            | 19.5               |
| 6 SPzB 390  | 390             | 109         | 17.3            | 4.5            | 23.1               |
| 7 SPzB 455  | 455             | 125         | 20.0            | 5.1            | 26.5               |
| 8 SPzB 520  | 520             | 141         | 22.6            | 5.9            | 30.2               |
| 9 SPzB 585  | 585             | 157         | 25.2            | 6.5            | 33.6               |
| 10 SPzB 650 | 650             | 173         | 27.9            | 7.2            | 37.1               |
| 11 SPzB 715 | 715             | 189         | 30.6            | 7.9            | 40.7               |
| 12 SpzB 780 | 780             | 205         | 34.0            | 8.6            | 45.0               |
| 13 SPzB 845 | 845             | 221         | 36.6            | 9.2            | 48.5               |

Positive plate capacity 75 Ah, overall height 537mm, to lid top 507mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 150  | 150             | 45          | 7.7             | 2.0            | 10.3               |
| 3 SPzB 225  | 225             | 61          | 10.7            | 2.7            | 14.1               |
| 4 SPzB 300  | 300             | 77          | 13.8            | 3.5            | 18.3               |
| 5 SPzB 375  | 375             | 93          | 16.7            | 4.2            | 22.1               |
| 6 SPzB 450  | 450             | 109         | 19.7            | 5.0            | 25.3               |
| 7 SPzB 525  | 525             | 125         | 22.7            | 5.7            | 30.0               |
| 8 SPzB 600  | 600             | 141         | 25.7            | 6.5            | 34.1               |
| 9 SPzB 675  | 675             | 157         | 28.7            | 7.2            | 37.9               |
| 10 SPzB 750 | 750             | 173         | 31.7            | 8.0            | 40.5               |
| 11 SPzB 825 | 825             | 189         | 34.6            | 8.8            | 45.9               |
| 12 SpzB 900 | 900             | 205         | 38.3            | 9.5            | 49.4               |
| 13 SPzB 975 | 975             | 221         | 41.3            | 10.3           | 54.5               |

Positive plate capacity 86 Ah, overall height 595mm, to lid top 565mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 172   | 172             | 45          | 8.1             | 2.2            | 10.9               |
| 3 SPzB 258   | 258             | 61          | 11.7            | 3.0            | 15.6               |
| 4 SPzB 344   | 344             | 77          | 15.2            | 3.9            | 20.2               |
| 5 SPzB 430   | 430             | 93          | 18.6            | 4.7            | 24.6               |
| 6 SPzB 516   | 516             | 109         | 22.0            | 5.6            | 29.2               |
| 7 SPzB 602   | 602             | 125         | 25.5            | 6.4            | 33.7               |
| 8 SPzB 688   | 688             | 141         | 28.9            | 7.3            | 38.3               |
| 9 SPzB 774   | 774             | 157         | 32.3            | 8.1            | 42.8               |
| 10 SPzB 860  | 860             | 173         | 35.7            | 9.0            | 47.3               |
| 11 SPzB 946  | 946             | 189         | 39.1            | 9.9            | 51.8               |
| 12 SpzB 1032 | 1032            | 205         | 43.2            | 10.7           | 57.0               |
| 13 SPzB 1118 | 1118            | 221         | 46.7            | 11.5           | 61.6               |

Positive plate capacity 100 Ah, overall height 632mm, to lid top 602mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 200   | 200             | 45          | 9.1             | 2.4            | 12.2               |
| 3 SPzB 300   | 300             | 61          | 12.9            | 3.3            | 17.0               |
| 4 SPzB 400   | 400             | 77          | 16.7            | 4.2            | 21.6               |
| 5 SPzB 500   | 500             | 93          | 20.6            | 5.0            | 27.0               |
| 6 SPzB 600   | 600             | 109         | 24.3            | 6.0            | 32.0               |
| 7 SPzB 700   | 700             | 125         | 28.1            | 6.9            | 37.0               |
| 8 SPzB 800   | 800             | 141         | 31.9            | 7.9            | 42.1               |
| 9 SPzB 900   | 900             | 157         | 35.7            | 8.8            | 47.0               |
| 10 SPzB 1000 | 1000            | 173         | 39.5            | 9.7            | 51.9               |
| 11 SPzB 1100 | 1100            | 189         | 43.3            | 10.6           | 56.9               |
| 12 SpzB 1200 | 1200            | 205         | 47.9            | 11.5           | 62.7               |
| 13 SPzB 1300 | 1300            | 221         | 52.0            | 12.4           | 67.9               |

Positive plate capacity 108 Ah, overall height 706mm, to lid top 676mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzB 216   | 216             | 45          | 10.2            | 2.6            | 13.6               |
| 3 SPzB 324   | 324             | 61          | 14.4            | 3.6            | 19.1               |
| 4 SPzB 432   | 432             | 77          | 18.7            | 4.7            | 24.7               |
| 5 SPzB 540   | 540             | 93          | 23.1            | 5.6            | 30.2               |
| 6 SPzB 648   | 648             | 109         | 27.3            | 6.7            | 35.5               |
| 7 SPzB 756   | 756             | 125         | 31.5            | 7.6            | 41.3               |
| 8 SPzB 864   | 864             | 141         | 35.8            | 8.8            | 46.6               |
| 9 SPzB 972   | 972             | 157         | 40.1            | 9.7            | 52.6               |
| 10 SPzB 1080 | 1080            | 173         | 44.3            | 10.7           | 58.1               |
| 11 SPzB 1188 | 1188            | 189         | 48.9            | 11.8           | 64.0               |
| 12 SpzB 1296 | 1296            | 205         | 53.9            | 12.8           | 70.3               |
| 13 SPzB 1404 | 1404            | 221         | 58.1            | 13.7           | 75.8               |



(British Standard Cells (BS) are available in both Traditional flooded and Gel technology  
All dimensions and weights within reasonable tolerances



# DIN SPECIFICATION - TRACTION CELLS (198MM WIDE)

Positive plate capacity 60 Ah, overall height 361mm, to lid top 331mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 120  | 120             | 47          | 6.3             | 1.4            | 8.1                |
| 3 SPzS 180  | 180             | 65          | 8.9             | 2.2            | 11.8               |
| 4 SPzS 240  | 240             | 83          | 11.4            | 3.0            | 15.2               |
| 5 SPzS 300  | 300             | 101         | 13.9            | 3.6            | 18.6               |
| 6 SPzS 360  | 360             | 119         | 16.6            | 4.4            | 22.2               |
| 7 SPzS 420  | 420             | 137         | 19.0            | 5.1            | 25.6               |
| 8 SPzS 480  | 480             | 155         | 21.5            | 5.8            | 29.0               |
| 9 SPzS 540  | 540             | 173         | 24.1            | 6.6            | 32.4               |
| 10 SPzS 600 | 600             | 191         | 26.7            | 7.3            | 36.1               |

Positive plate capacity 80 Ah, overall height 427mm, to lid top 397mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 160  | 160             | 47          | 7.7             | 1.7            | 9.9                |
| 3 SPzS 240  | 240             | 65          | 11.0            | 3.6            | 18.6               |
| 4 SPzS 320  | 320             | 83          | 14.0            | 3.6            | 18.6               |
| 5 SPzS 400  | 400             | 101         | 17.2            | 4.4            | 22.8               |
| 6 SPzS 480  | 480             | 119         | 20.4            | 5.4            | 27.3               |
| 7 SPzS 560  | 560             | 137         | 23.4            | 6.2            | 31.4               |
| 8 SPzS 640  | 640             | 155         | 26.6            | 7.1            | 35.7               |
| 9 SPzS 720  | 720             | 173         | 29.7            | 8.0            | 40.0               |
| 10 SPzS 800 | 800             | 191         | 33.0            | 8.8            | 44.3               |

Positive plate capacity 90 Ah, overall height 488mm, to lid top 458mm

| Cell Type   | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|-------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 180  | 180             | 47          | 8.8             | 2.0            | 11.3               |
| 3 SPzS 270  | 270             | 65          | 12.6            | 3.1            | 16.6               |
| 4 SPzS 360  | 360             | 83          | 16.1            | 4.2            | 21.4               |
| 5 SPzS 450  | 450             | 101         | 19.7            | 5.1            | 26.3               |
| 6 SPzS 540  | 540             | 119         | 23.5            | 6.2            | 31.5               |
| 7 SPzS 630  | 630             | 137         | 27.0            | 7.2            | 36.3               |
| 8 SPzS 720  | 720             | 155         | 30.7            | 8.2            | 41.3               |
| 9 SPzS 810  | 810             | 173         | 34.3            | 9.3            | 46.3               |
| 10 SPzS 900 | 900             | 191         | 38.1            | 10.2           | 51.2               |

Positive plate capacity 105 Ah, overall height 538mm, to lid top 508mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 210   | 210             | 47          | 10.0            | 2.2            | 12.9               |
| 3 SPzS 315   | 315             | 65          | 14.4            | 3.5            | 18.9               |
| 4 SPzS 420   | 420             | 83          | 18.5            | 4.6            | 24.5               |
| 5 SPzS 525   | 525             | 101         | 22.7            | 5.7            | 30.1               |
| 6 SPzS 630   | 630             | 119         | 27.1            | 6.9            | 36.0               |
| 7 SPzS 735   | 735             | 137         | 31.2            | 8.0            | 41.5               |
| 8 SPzS 840   | 840             | 155         | 35.5            | 9.1            | 47.2               |
| 9 SPzS 945   | 945             | 173         | 39.7            | 10.3           | 53.0               |
| 10 SPzS 1050 | 1050            | 191         | 44.0            | 11.4           | 58.7               |

Positive plate capacity 115 Ah, overall height 563mm, to lid top 533mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 230   | 230             | 47          | 10.5            | 2.3            | 13.5               |
| 3 SPzS 345   | 345             | 65          | 15.1            | 3.7            | 19.8               |
| 4 SPzS 460   | 460             | 83          | 19.4            | 4.9            | 25.6               |
| 5 SPzS 575   | 575             | 101         | 23.8            | 6.0            | 31.5               |
| 6 SPzS 690   | 690             | 119         | 28.4            | 7.3            | 37.7               |
| 7 SPzS 805   | 805             | 137         | 32.7            | 8.4            | 42.4               |
| 8 SPzS 920   | 920             | 155         | 37.1            | 9.6            | 48.7               |
| 9 SPzS 1035  | 1035            | 173         | 41.5            | 10.9           | 55.5               |
| 10 SPzS 1150 | 1150            | 191         | 46.0            | 12.0           | 61.4               |

Positive plate capacity 125 Ah, overall height 599mm, to lid top 569mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 250   | 250             | 47          | 11.2            | 2.5            | 14.4               |
| 3 SPzS 375   | 375             | 65          | 16.2            | 3.9            | 21.2               |
| 4 SPzS 500   | 500             | 83          | 20.8            | 5.2            | 27.5               |
| 5 SPzS 625   | 625             | 101         | 25.6            | 6.4            | 33.8               |
| 6 SPzS 750   | 750             | 119         | 30.5            | 7.8            | 40.5               |
| 7 SPzS 875   | 875             | 137         | 35.1            | 9.0            | 46.7               |
| 8 SPzS 1000  | 1000            | 155         | 39.9            | 10.3           | 53.1               |
| 9 SPzS 1125  | 1125            | 173         | 44.8            | 11.6           | 59.7               |
| 10 SPzS 1250 | 1250            | 191         | 49.7            | 12.8           | 66.1               |

Positive plate capacity 140 Ah, overall height 713mm, to lid top 683mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 280   | 280             | 47          | 13.2            | 3.0            | 17.1               |
| 3 SPzS 420   | 420             | 65          | 19.1            | 4.7            | 25.1               |
| 4 SPzS 560   | 560             | 83          | 24.6            | 6.3            | 32.6               |
| 5 SPzS 700   | 700             | 101         | 30.3            | 7.7            | 40.1               |
| 6 SPzS 840   | 840             | 119         | 36.1            | 9.3            | 47.2               |
| 7 SPzS 980   | 980             | 137         | 41.6            | 10.8           | 55.4               |
| 8 SPzS 1120  | 1120            | 155         | 47.3            | 12.3           | 63.1               |
| 9 SPzS 1260  | 1260            | 173         | 53.1            | 14.0           | 71.0               |
| 10 SPzS 1400 | 1400            | 191         | 58.8            | 15.4           | 78.5               |

Positive plate capacity 155 Ah, overall height 740mm, to lid top 710mm

| Cell Type    | AH @ C5 at 30°C | Length (mm) | Dry Weight (kg) | Acid Vol. (lt) | Filled Weight (kg) |
|--------------|-----------------|-------------|-----------------|----------------|--------------------|
| 2 SPzS 310   | 310             | 47          | 13.8            | 3.2            | 17.9               |
| 3 SPzS 465   | 465             | 65          | 19.9            | 4.9            | 26.3               |
| 4 SPzS 620   | 620             | 83          | 25.7            | 6.5            | 34.1               |
| 5 SPzS 775   | 775             | 101         | 31.6            | 8.1            | 41.9               |
| 6 SPzS 930   | 930             | 119         | 37.6            | 9.8            | 50.2               |
| 7 SPzS 1085  | 1085            | 137         | 43.4            | 11.3           | 57.9               |
| 8 SPzS 1240  | 1240            | 155         | 49.4            | 12.9           | 65.9               |
| 9 SPzS 1395  | 1395            | 173         | 55.6            | 14.6           | 74.3               |
| 10 SPzS 1550 | 1550            | 191         | 61.6            | 16.1           | 82.3               |



(DIN Standard Cells are available in both Traditional flooded and Gel technology  
All dimensions and weights within reasonable tolerances

# CHARGING & CHANGING ROOMS

We offer a wide range of battery handling products, from simple roller beds through to powered magnetic extraction units.

The range covers complete battery handling solutions including ventilation, electrics and mechanical installation designed and managed from start to finish.

## Roller Beds and Charging Frames



Our range of roller beds have been specifically designed to meet the requirements of battery changing.

Taking into consideration space saving and the movement of heavy loads these roller beds are available in a choice of roller finish in either black nylon or steel.

For smaller battery rooms we can also offer a solution for all budgets.



Combined charger stands and roller beds are easily the best solution for lateral changing of batteries. The design combines the best features of standard charger frames and roller beds into one compact unit.

Charger frames are available with single / double and multiple charging shelves and have a variety of mounting options for back mounted or foot mounted chargers.

## Battery Transfer Systems



Lincon offer a wide variety of battery transfer systems. All systems fall into two categories - Horizontal extraction and vertical extraction.

Horizontal extraction can supply both powered and manual transfer systems so that the right product can be provided for the right application.

The modular design can be customised with different winch magnets, drive and lift systems to create a truly bespoke product which suits all applications.



Lifting of batteries vertically needs the use of a spreader lifting beam. Batteries often have two or four lifting holes and, in some cases, these are not central to the battery. Our range of standard and adjustable lifting frames are capable of lifting many types of batteries.

All the lifting frames are load tested together with the wire ropes or chains supplied. These lifting beams are an ideal back up to transfer systems and for maintenance.

# LEADS, ACCESSORIES & SERVICE

Our accessories section below offers many ways to keep your battery in optimal condition, from watering kits to new leads. We can supply all that you require to keep your business and material handling equipment moving.

You must consider with Electric Material Handling equipment that the battery pack has a limited lifespan, and the correct watering and maintenance of your batteries is critical to maximise life and performance.

## Leads & Accessories



With well over 100 years of manufacturing, distributing and providing power solutions, our customers can buy with confidence and assurance when purchasing from our accessories range. Our range includes, connectors, take-off leads, electrolyte level sensor (Blinky), packing sheets and other related quality parts.

## Battery Watering and Servicing



Battery watering or lack of, is one of the main reasons for battery failure. Lincon can offer a complete range of battery filling systems including the popular BFS and Aquamatic watering systems. Automatic battery watering systems provide an easy way to maintain the correct water levels, by simply connecting the system after charging replaces the lost water caused by the gassing process during the charge cycle.

Keeping the electrolyte levels at the correct height maintains the correct sulphuric acid sg level, therefore, allowing for a more efficient operation. Keeping on top of your watering will provide you with maximum battery life and reduce service calls due to premature cell failure.

## Purerflow Water Deioniser



Create your own deionised water with our Purerflow Water Deioniser. The Purerflow water deioniser removes the harmful elements from tap water which can be detrimental to the life of a lead acid battery. Manufactured in the UK, the Purerflow Water deioniser can produce up to 3000 litres of zero TDS water per cartridge depending on the input water quality.

## Maintenance Fitting & Topping Contracts



Our experienced battery and maintenance engineers can offer a fast-efficient service when attending your site. Equipped with modern technology, our engineers are available to offer battery fitting, servicing, topping and cleaning. We also can provide downloads and charger maintenance to help run your business as efficiently and productively as possible.

## Battery Recycling



Did you know your old batteries could be worth something? As a producer of industrial batteries under the 'Waste Batteries and Accumulators Regulations 2009' we are obliged to take back waste industrial batteries. We will agree the necessary arrangements for the return, proper treatment and recycling of the waste industrial batteries. Our services include; battery collection, recycling, and providing environmental documentation required to meet legislative requirements.

## Lincon Batteries Ltd

Faraday Works, 25/26 Faraday Road, Leigh-on-Sea, Essex. SS9 5JU

Telephone: 01702 525374 / 528711 Email: info@lincon.co.uk



[www.lincon.co.uk](http://www.lincon.co.uk)

*battery experts since 1908*

