

Lucas



BATTERY CATALOGUE



LUCAS BATTERIES. OUR HISTORY.

Lucas is a brand with over 150 years of history, a historical benchmark in the development of automotive and industrial solutions.

Far from resting on its laurels, the company has constantly evolved, growing on a solid foundation of innovation, experience, and market adaptation. This continuity positions it as one of the oldest brands still operating in the sector. Its founder, Joseph Lucas, born in Birmingham in 1834, began his business in the 1860s selling paraffin oil for household lamps. With strategic vision, he quickly identified the potential of the transport sector, which was undergoing a profound transformation during the Industrial Revolution.

In 1875, he established a small workshop on Little King Street, Birmingham (UK), with an initial team of five employees. From that starting point, the company experienced sustained growth. At the beginning of the 20th century, Harry Lucas significantly expanded his product range and added batteries to his catalog, consolidating his presence in the field of automotive electrification.

This catalogue presents the latest ranges and applications developed by the brand, reflecting a constant evolution aimed at offering reliable, efficient solutions adapted to the current demands of the market.



ORIGIN KOREA

7-8

AGM DIN
EFB DIN
EFB JIS
SLI DIN
SLI JIS
SLI BCI
COMMERCIAL & HD DIN
COMMERCIAL & HD JIS
COMMERCIAL & HD BCI

ORIGIN TÜRKIYE

13

EFB DIN
SLI DIN
SLI JIS
COMMERCIAL & HD DIN
COMMERCIAL & HD BCI

ORIGIN EGYPTIAN

14

SLI DIN
SLI JIS
COMMERCIAL & HD DIN
COMMERCIAL & HD JIS
COMMERCIAL & HD BCI

ORIGIN BRAZIL

9

EFB DIN
SLI DIN
SLI JIS
SLI BCI

ORIGIN COLOMBIA

16-17

SLI DIN
SLI JIS
COMMERCIAL & HD DIN
COMMERCIAL & HD JIS

ORIGIN EUROPE

10-11

AGM DIN
EFB DIN
EFB JIS
SLI DIN
SLI JIS
COMMERCIAL & HD DIN
COMMERCIAL & HD BCI

ORIGIN ARGENTINE

18

SLI DIN
SLI JIS
COMMERCIAL & HD DIN
COMMERCIAL & HD JIS

OUR RANGE GOES FURTHER.



LUCAS AGM START & STOP

Our Lucas AGM Start & Stop range is designed to solve the problems arising from intensive use of the starter motor in vehicles equipped with Start & Stop technology.

These batteries offer, on average, three times more energy and longer life than a conventional battery, guaranteeing reliable performance even under demanding conditions.

They are the ideal solution for vehicles where, in addition to the power needed for driving, the battery must face extreme challenges, such as cold winters, hot summers or the supply of energy to accessories and auxiliary equipment.



LUCAS EFB START & STOP

Stop/Start systems typically use EFB (Enhanced Flooded Battery) batteries, as the vehicle technology requires a higher energy level than usual.

Our Lucas EFB range provides this extra power, plus a significantly longer lifespan than a conventional starter battery.

In short, Lucas EFB is the right choice in every situation.

LUCAS PREMIUM

The Lucas Premium battery range is designed for vehicles with a medium power demand and a classic engine starting procedure.

Although it is not suitable for engines with start/stop technology, the range offers remarkable performance over a long period of time and consists of sealed, maintenance-free, lead-calcium alloy batteries.

There are several types available that meet virtually all the needs of European and Asian vehicles.

LUCAS STANDARD

The Lucas Standard range is designed for passenger cars and light commercial vehicles with moderate energy demands, offering high starting power and reliable performance.

It incorporates maintenance-free calcium-lead-acid technology, which reduces self-discharge, minimizes water loss, and ensures operational stability throughout its lifespan.

Manufactured using state-of-the-art processes, this range combines durability and consistency, covering virtually the entire standard automotive fleet.



A RANGE ADAPTED TO ALL APPLICATIONS



ORIGIN KOREA

AGM (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L2 | 12 | 60 | 100 | 640 | - | 242 | 174 | 189 | 17,7 | A | 0 | B13 | 90 |
| L3 | 12 | 70 | 120 | 760 | - | 275 | 174 | 189 | 19,7 | A | 0 | B13 | 80 |
| L4 | 12 | 80 | 140 | 800 | - | 314 | 174 | 189 | 22,4 | A | 0 | B13 | 75 |
| L5 | 12 | 95 | 160 | 850 | - | 351 | 174 | 189 | 26,0 | A | 0 | B13 | 60 |
| L6 | 12 | 105 | 190 | 950 | - | 392 | 174 | 189 | 28,0 | A | 0 | B13 | 45 |

EFB (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L1 | 12 | 50 | 90 | 480 | - | 207 | 174 | 189 | 13,6 | A | 0 | B13 | 138 |
| L2 | 12 | 60 | 120 | 560 | - | 242 | 174 | 189 | 16,8 | A | 0 | B13 | 108 |
| LB3 | 12 | 65 | 120 | 650 | - | 275 | 174 | 174 | 17,1 | A | 0 | B13 | 96 |
| L3 | 12 | 70 | 135 | 680 | - | 275 | 174 | 189 | 19,0 | A | 0 | B13 | 96 |
| LB4 | 12 | 75 | 145 | 730 | - | 314 | 174 | 174 | 19,7 | A | 0 | B13 | 90 |
| L4 | 12 | 80 | 150 | 740 | - | 314 | 174 | 189 | 21,1 | A | 0 | B13 | 90 |
| L5 | 12 | 95 | 180 | 850 | - | 351 | 174 | 189 | 23,9 | A | 0 | B13 | 72 |
| L6 | 12 | 110 | 220 | 900 | - | 392 | 174 | 189 | 27,6 | A | 0 | B13 | 72 |

EFB (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|---------|------------|
| B19 | 12 | 38 | 55 | 360 | - | 187 | 127 | 219 | 9,8 | B | 0 / 1 | B0 / W1 | 170 |
| B20 | 12 | 40 | 60 | 400 | - | 197 | 127 | 220 | 10,7 - 10,8 | A / B | 0 / 1 | B0 | 160 |
| B24 | 12 | 50 | 75 | 500 | - | 236 | 128 | 220 | 13,3 | A / B | 0 / 1 | B0 | 135 |
| D23 | 12 | 60-65 | 120-125 | 560-620 | - | 230 | 172 | 220 | 15,8 - 17,2 | A | 0 / 1 | B0 / B1 | 100 |
| D26 | 12 | 70-75 | 135-140 | 680-720 | - | 260 | 175 | 220 | 18,4 - 19,6 | A | 0 / 1 | B0 / B1 | 90 |
| D31 | 12 | 80-85 | 150-160 | 740-810 | - | 301 | 172 | 220 | 21,3 - 22,6 | A | 0 / 1 | B0 / B1 | 75 |

SLI (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|----------|------------|
| LB1 | 12 | 52-75 | - | 330-460 | - | 208 | 174 | 175 | 10,0 - 12,0 | A | 0 / 1 | B1 / B13 | 138 |
| L1 | 12 | 80-83 | - | 400-430 | - | 208 | 174 | 190 | 11,5 - 12,1 | A | 0 / 1 | B13 | 138 |
| LB2 | 12 | 55-95 | - | 330-530 | - | 242 | 174 | 175 | 11,2 - 14,2 | A | 0 / 1 | B13 | 108 |
| L2 | 12 | 95-115 | - | 480-600 | - | 242 | 174 | 190 | 13,7 - 15,9 | A | 0 / 1 | B13 | 108 |
| LB3 | 12 | 94-120 | - | 500-650 | - | 275 | 174 | 175 | 14,1 - 16,5 | A | 0 / 1 | B13 | 96 |
| L3 | 12 | 110-130 | - | 540-660 | - | 275 | 174 | 190 | 15,4 - 17,5 | A | 0 / 1 | B13 | 96 |
| LB4 | 12 | 140-160 | - | 660-780 | - | 314 | 174 | 175 | 17,4 - 18,4 | A | 0 / 1 | B13 | 90 |
| L4 | 12 | 150-170 | - | 640-680 | - | 314 | 174 | 190 | 19,0 - 19,5 | A | 0 / 1 | B13 | 90 |
| LB5 | 12 | 155 | - | 720 | - | 351 | 174 | 175 | 19,3 | A | 0 / 1 | B13 | 72 |
| L5 | 12 | 150-190 | - | 680-850 | - | 351 | 174 | 190 | 20,2 - 24,4 | A | 0 / 1 | B13 | 72 |
| L6 | 12 | 205 | - | 850 | - | 392 | 174 | 190 | 26,0 | A | 0 / 1 | B13 | 72 |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|---------|------------|
| B19 | 12 | 35-40 | 54-63 | 330-370 | - | 187 | 127 | 219 | 8,9 - 9,6 | A / B | 0 / 1 | B0 / W1 | 170 |
| B24 | 12 | 40-50 | 65-85 | 370-470 | - | 236 | 138 | 200 | 11,2 - 12,9 | A / B | 0 / 1 | B0 | 135 |
| D20 | 12 | 50 | 90-95 | 450-550 | - | 206 | 172 | 200 | 13,3 - 13,8 | A | 0 / 1 | B1 | 100 |
| D23 | 12 | 60-68 | 90-115 | 450-580 | - | 230 | 172 | 200 | 14,0 - 15,4 | A | 0 / 1 | B0 / B1 | 100 |
| D26 | 12 | 45-78 | 80-140 | 350-650 | - | 260 | 172 | 200 | 14,3 - 17,5 | A | 0 / 1 | B0 / B1 | 90 |
| D31 | 12 | 60-95 | 115-170 | 550-780 | - | 301 | 172 | 200 | 17,8 - 22,2 | A | 0 / 1 | B0 / B1 | 75 |

SLI (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-------|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|----------|--------|------------|
| 21 | 12 | - | 90-110 | 450-600 | - | 205 | 175 | 220 | 13,3 - 14,4 | A | 11 | B1 | 100 |
| 24 | 12 | - | 80-135 | 350-750 | - | 260 | 175 | 220 | 14,3 - 17,7 | A | *10 / 11 | B1 | 80 |
| 25/35 | 12 | - | 90-120 | 450-640 | - | 230 | 172 | 220 | 14,1 - 15,8 | A | *10 / 11 | B1 | 95 |
| 26 | 12 | - | 75-90 | 450-550 | - | 208 | 172 | 204 | 12,6 - 13,5 | A | *10 / 11 | B7 | 120 |
| 26/70 | 12 | - | 75-90 | 450-550 | - | 208 | 179 | 204 | 12,8 - 13,8 | DUAL | *10 / 17 | B7 | 120 |
| 27 | 12 | - | 115-160 | 550-810 | - | 301 | 172 | 220 | 17,9 - 20,6 | A | *10 / 11 | B1 | 75 |
| 34 | 12 | - | 110-130 | 600-750 | - | 260 | 172 | 204 | 15,7 - 17,6 | A | *10 / 11 | B7 | 108 |
| 34/78 | 12 | - | 110-130 | 600-750 | - | 260 | 179 | 204 | 15,9 - 17,9 | DUAL | *10 / 17 | B7 | 108 |
| 51 | 12 | - | 65-85 | 370-500 | - | 236 | 128 | 220 | 11,3 - 12,7 | A | *10 / 11 | B0 | 120 |
| 58 | 12 | - | 72-78 | 500-560 | - | 241 | 182 | 177 | 12,5 - 13,0 | A | *10 / 11 | B8 | 90 |
| 65 | 12 | - | 130-155 | 670-850 | - | 294 | 189 | 192 | 18,1 - 20,6 | A | *10 | B1 | 72 |
| 70 | 12 | - | 75-90 | 450-550 | - | 208 | 179 | 204 | 12,6 - 13,5 | H | *17 | B7 | 120 |
| 75 | 12 | - | 90-100 | 520-630 | - | 230 | 179 | 204 | 13,7 - 15,1 | H | *17 | B7 | 108 |
| 75/86 | 12 | - | 90-100 | 520-630 | - | 230 | 179 | 204 | 14,0 - 15,4 | DUAL | *10 / 17 | B7 | 108 |
| 78 | 12 | - | 110-130 | 600-750 | - | 260 | 179 | 184 | 15,6 - 17,5 | H | *17 | B7 | 108 |
| 85/86 | 12 | - | 90-100 | 520-630 | - | 230 | 172 | 204 | 13,7 - 15,1 | A | *10 / 11 | B7 | 108 |
| 151 | 12 | - | 54-63 | 330-370 | - | 187 | 127 | 219 | 9,0 - 9,6 | A | *11 | B0 | 145 |

COMMERCIAL & HD (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| A | 12 | 120-145 | - | - | 800-900 | 510 | 188 | 193 | 32,7 - 42,8 | A | 3/4* | B0 | 40 |
| B | 12 | 143-200 | - | - | 900-1050 | 510 | 221 | 216 | 38,5 - 44,4 | A | 3/4* | B0 | 35 |
| C | 12 | 200-225 | - | - | 1050-1150 | 515 | 274 | 240 | 50,4 - 53,6 | A | 3/4* | B0 | 30 |

COMMERCIAL & HD (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| E41 | 12 | 100 | - | 780 | - | 403 | 173 | 231 | 24,4 - 24,6 | A | 0 / 1 | B0 | 60 |
| F51 | 12 | 120-140 | 230-250 | 850-950 | - | 503 | 182 | 230 | 31,8 - 34,4 | A | 3/4* | B0 | 40 |
| G51 | 12 | 150-170 | 300-320 | 1000-1050 | - | 503 | 216 | 230 | 38,0 - 40,2 | A | 3/4* | B0 | 35 |
| H52 | 12 | 200-220 | 430-470 | 1100-1200 | - | 503 | 261 | 239 | 50,1 - 51,2 | A | 3/4* | B0 | 30 |

COMMERCIAL & HD (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|--------|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|-----------|--------|--------|------------|
| 30H | 12 | - | 165-190 | - | 750-850 | 325 | 172 | 223 | 21,4 - 22,4 | A | 10 | B1 | 60 |
| 31P | 12 | - | 150-195 | - | 650-1000 | 330 | 172 | 238 | 22,0 - 24,9 | A / G / K | 18 | B0 | 60 |
| 31S | 12 | - | 150-195 | - | 650-1000 | 330 | 172 | 238 | 22,0 - 24,9 | A / G / K | 18 | B0 | 60 |
| 31TWIN | 12 | - | 150-195 | - | 650-1000 | 330 | 172 | 238 | 22,0 - 24,9 | A / G / K | 18 | B0 | 60 |
| 4D | 12 | - | 300-320 | - | 1000-1050 | 503 | 216 | 230 | 37,8 - 38,9 | A | 4 | B0 | 35 |
| 8D | 12 | - | 430-470 | - | 1100-1200 | 503 | 261 | 239 | 50,0 - 50,8 | A | 4 | B0 | 30 |



ORIGIN BRAZIL

EFB (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L1 | 12 | 50 | 80 | 540 | 670 | 208 | 172 | 189 | 14,2 | - | 0 | - | - |
| L2 | 12 | 60 | 100 | 600 | 790 | 238 | 175 | 189 | 16,8 | - | 0 | - | - |
| L3 | 12 | 72 | 130 | 700 | 890 | 275 | 175 | 189 | 19,5 | - | 0 | - | - |

SLI (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| LB1 | 12 | 40-45 | 50-60 | 300-350 | 370-460 | 208 | 175 | 175 | 10,8 - 11,6 | - | 0 | - | - |
| L1 | 12 | 45-50 | 65 | 390 | 570 | 208 | 175 | 189 | 12,6 | - | 0 / 1 | - | - |
| LB2 | 12 | 50-60 | 60 | 485 | 660 | 238 | 175 | 175 | 12,6 - 14,2 | - | 0 / 1 | - | - |
| L2 | 12 | 60 | 90 | 485 | 660 | 238 | 175 | 189 | 14,5 | - | 0 / 1 | - | - |
| LB3 | 12 | 70 | 110 | 560 | 640 | 275 | 175 | 175 | 17,2 - 18,2 | - | 0 / 1 | - | - |
| L3 | 12 | 75 | 120 | 580 | 760 | 275 | 175 | 189 | 18,2 | - | 0 / 1 | - | - |
| L5 | 12 | 90-100 | 160-175 | 620-720 | 780-830 | 350 | 1174 | 189 | 21,6 - 23,2 | - | 0 | - | - |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| B19 | 12 | 40 | 50 | 220 | 350 | 196 | 125 | 226 | 10,4 | - | 1 | - | - |
| B24 | 12 | 50 | 70 | 300 | 510 | 237 | 125 | 230 | 13,0 | - | 0 / 1 | - | - |
| D26 | 12 | 80 | 130 | 500 | 680 | 257 | 173 | 224 | 18,3 | - | 1 | - | - |
| D31 | 12 | 90 | 150 | 600 | 780 | 304 | 171 | 222 | | - | 0 / 1 | - | - |

SLI (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| 31P | 12 | 90-100 | 155-170 | 600-700 | 780-890 | 328 | 172 | 242 | 23,7 - 25,5 | - | 1 | - | - |
| 31S | 12 | 90-100 | 155-170 | 600-700 | 780-890 | 328 | 172 | 242 | 23,7 - 25,5 | - | 1 | - | - |
| 4D | 12 | 150-180 | 280-360 | 900-1150 | 1100-1225 | 503 | 216 | 208 | 40,5 - 45,6 | - | 3/4* | - | - |
| 8D | 12 | 220 | 450 | 1200 | 1280 | 503 | 261 | 217 | 57,5 | - | 3/4* | - | - |



OUR RANGE GOES FURTHER.

ORIGIN EUROPE

AGM (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L1 | 12 | 50 | - | 570 | - | 208 | 175 | 190 | 15,0 | 1 | 0 | B13 | 72 |
| L2 | 12 | 60-62 | - | 680 | - | 242 | 175 | 190 | 17,8 | 1 | 0 | B13 | 60 |
| L3 | 12 | 70-72 | - | 720-760 | - | 275 | 175 | 190 | 20,5 | 1 | 0 | B13 | 51 |
| L4 | 12 | 80-82 | - | 800 | - | 314 | 175 | 190 | 23,3 | 1 | 0 | B13 | 42 |
| L5 | 12 | 95-96 | - | 850 | - | 351 | 175 | 190 | 26,5 | 1 | 0 | B13 | 36 |
| L6 | 12 | 105-106 | - | 950 | - | 392 | 175 | 190 | 29,0 | 1 | 0 | B13 | 36 |

EFB (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L1 | 12 | 55 | - | 540 | - | 207 | 175 | 190 | 13,9 | 1 | 0 | B13 | 72 |
| L2 | 12 | 60 | - | 640 | - | 242 | 175 | 190 | 17,0 | 1 | 0 | B13 | 60 |
| LB3 | 12 | 65 | - | 650 | - | 275 | 175 | 175 | 16,8 | 1 | 0 | B13 | 51 |
| L3 | 12 | 70 | - | 760 | - | 275 | 175 | 190 | 20,0 | 1 | 0 | B13 | 51 |
| LB4 | 12 | 75 | - | 730 | - | 314 | 175 | 175 | 19,2 | 1 | 0 | B13 | 42 |
| L4 | 12 | 80 | - | 800 | - | 314 | 175 | 190 | 22,7 | 1 | 0 | B13 | 42 |
| L5 | 12 | 100 | - | 900 | - | 351 | 175 | 190 | 26,0 | 1 | 0 | B13 | 36 |
| L6 | 12 | 105 | - | 950 | - | 392 | 175 | 190 | 27,2 | 1 | 0 | B13 | 36 |

EFB (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| D23 | 12 | 60 | - | 520 | - | 230 | 172 | 200 | 16,2 | 1 | 0 / 1 | B0-B1 | 60 |
| D26 | 12 | 75 | - | 750 | - | 260 | 172 | 200 | 19,0 | 1 | 0 | B0-B1 | 51 |
| D31 | 12 | 95 | - | 800 | - | 301 | 172 | 200 | 21,6 | 1 | 0 / 1 | B0-B1 | 42 |

SLI (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| L0 | 12 | 40-44 | - | 320-400 | - | 175 | 175 | 190 | 10,4 - 10,7 | 1 | 0 | B13 | 72 |
| LB1 | 12 | 41-47 | - | 370-450 | - | 207 | 175 | 175 | 10,6 - 11,4 | 1 | 0 | B13 | 72 |
| L1 | 12 | 44-53 | - | 360-540 | - | 207 | 175 | 190 | 11,2 - 12,8 | 1 | 0 | B13 | 72 |
| LB2 | 12 | 54-61 | - | 500-600 | - | 242 | 175 | 175 | 12,9 - 15,0 | 1 | 0 | B13 | 60 |
| L2 | 12 | 55-64 | - | 460-640 | - | 242 | 175 | 190 | 13,4 - 14,9 | 1 | 0 / 1 | B13 | 60 |
| LB3 | 12 | 65-72 | - | 540-720 | - | 278 | 175 | 175 | 15,8 - 16,3 | 1 | 0 | B13 | 51 |
| L3 | 12 | 70-77 | - | 640-760 | - | 278 | 175 | 190 | 16,6 - 18,0 | 1 | 0 / 1 | B13 | 51 |
| LB4 | 12 | 80-85 | - | 700-800 | - | 315 | 175 | 175 | 16,5 - 17,8 | 1 | 0 | B13 | 42 |
| L4 | 12 | 80-90 | - | 640-720 | - | 315 | 175 | 190 | 19,0 - 19,5 | 1 | 0 | B13 | 42 |
| LB5 | 12 | 85 | - | 760 | - | 353 | 175 | 175 | 19,6 | 1 | 0 | B13 | 36 |
| L5 | 12 | 90-100 | - | 680-900 | - | 351 | 175 | 190 | 20,4 - 22,6 | 1 | 0 | B13 | 36 |
| L6 | 12 | 110 | - | 850 | - | 392 | 175 | 190 | 26,3 | 1 | 0 | B13 | 36 |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|-----------|--------|--------|------------|
| B19 | 12 | 35-40 | - | 240-350 | - | 187 | 127 | 200 | 8,9 - 9,9 | 1 / 3 / 4 | 0 / 1 | B0-B1 | 72 |
| B24 | 12 | 45 | - | 300-390 | - | 237 | 127 | 227 | 11,3 - 12,5 | 1 / 3 | 0 / 1 | B0-B1 | 72 |
| D20 | 12 | 50 | - | 360 | - | 200 | 173 | 222 | 13,0 | 1 | 0 / 1 | B1 | 60 |
| D23 | 12 | 60-65 | - | 390-580 | - | 230 | 173 | 222 | 15,0 - 16,8 | 1 | 0 / 1 | B1 | 60 |
| D26 | 12 | 60-75 | - | 440-630 | - | 272 | 173 | 222 | 15,5 - 18,6 | 1 | 0 / 1 | B1-B9 | 54 |
| D31 | 12 | 90-95 | - | 680-800 | - | 306 | 173 | 222 | 19,9 - 23,6 | 1 | 0 / 1 | B1 | 42 |

COMMERCIAL & HD (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| A | 12 | 140-152 | - | 800-1130 | - | 513 | 189 | 223 | 31,8 - 40,5 | 1 | 3 | B0 | 24 |
| B | 12 | 172-185 | - | 1000-1390 | - | 513 | 223 | 223 | 40,2 - 50,0 | 1 | 3 | B0 | 21 |
| C | 12 | 210-235 | - | 800-1450 | - | 518 | 279 | 240 | 54,9 - 70,0 | 1 | 3 | B0 | 18 |

COMMERCIAL & HD (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| 31P | 12 | 85-120 | - | 350-870 | - | 349 | 175 | 235 | 27,4 - 31,2 | 1 | 0 | B0 | 36 |

SEPARATOR
The fiberglass separator prevents short circuits between plate assemblies, reduces internal resistance, and increases current capacity.

PLATES
This battery features a unique lead-calcium alloy composition that minimizes water loss. In addition, it is designed to limit the loss of active material from the plates, ensuring that the battery consistently delivers optimal starting performance.

SCHEDULE
The new design of the Pb-Ca grid reduces water loss and minimizes self-discharge rates, thereby extending the battery's service life.

LEAD SHEET ASSEMBLY

TERMINAL
Made from a high-strength lead alloy, resistant to mechanical damage, featuring high conductivity, and suitable for high-discharge applications.

MAGIC EYE INDICATOR (Optional)
Allows you to easily check the battery charge level.

THERMOSET TECHNOLOGY
Heat-sealed construction for optimal strength and rigidity, preventing any electrolyte leakage.

VENTILATION

PP CONTAINER
A polypropylene container equipped with pressure-relief caps and featuring a unique design to protect the battery from impact.

OUR RANGE GOES FURTHER.

LIST OF EQUIVALENCIES

| BCI | JIS | DIN | DIMENSIONS | | |
|---------------|-----|-----|------------|--------|--------|
| | | | L (mm) | W (mm) | H (mm) |
| 21 / 21R | D20 | | 201 | 175 | 225 |
| 24 / 24R | D26 | | 260 | 175 | 200 |
| 25 | D23 | | 225 | 175 | 225 |
| 26 / 26R | | | 201 | 175 | 200 |
| 27 / 27R | D31 | | 301 | 175 | 200 |
| 29H | E41 | | 410 | 175 | 238 |
| 30H | | | 330 | 170 | 238 |
| 31P / T / M | | | 330 | 171 | 238 |
| 34 / 34R | | | 273 | 175 | 205 |
| 34/78 | | | 273 | 175 | 205 |
| 35 | | | 225 | 170 | 225 |
| 40R / 41 / 91 | | LB3 | 278 | 175 | 175 |
| 42 / 42R / 90 | | LB2 | 242 | 175 | 175 |
| 47/97R | | L2 | 242 | 175 | 190 |
| 48/98R | | L3 | 278 | 175 | 190 |
| 49 | | L5 | 354 | 175 | 190 |
| 51 / 51R | C24 | | 230 | 122 | 215 |
| 65 | | | 305 | 192 | 190 |
| 70 | | | 207 | 180 | 190 |
| 75 | | | 230 | 180 | 190 |
| 75/86 | | | 225 | 181 | 200 |
| 78 | | | 260 | 180 | 186 |
| 85R / 86 | | | 230 | 173 | 200 |
| 92 | | LB4 | 315 | 175 | 175 |
| 93 | | LB5 | 354 | 175 | 175 |
| 94R | | L4 | 315 | 175 | 190 |
| 95R | | L6 | 394 | 175 | 190 |
| 99/99R | | LB1 | 207 | 175 | 175 |
| 140R | | L1 | 207 | 175 | 190 |
| 151R | B19 | | 187 | 129 | 200 |
| - | | L0 | 175 | 175 | 190 |
| 4D | G51 | | 493 | 205 | 250 |
| 4DLT | F51 | | 493 | 205 | 211 |
| 8D | H52 | | 525 | 278 | 252 |



ORIGIN TÜRKIYE

EFB (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L2 | 12 | 65 | 130 | 620 | 660 | 242 | 175 | 190 | 16,5 | 1 | 0 | B13 | 76 |
| L3 | 12 | 75 | 150 | 720 | 770 | 275 | 175 | 190 | 18,7 | 1 | 0 | B13 | 64 |
| L4 | 12 | 85 | 170 | 780 | 830 | 314 | 175 | 190 | 21,2 | 1 | 0 | B13 | 56 |
| L5 | 12 | 100 | 200 | 870 | 930 | 351 | 175 | 190 | 23,5 | 1 | 0 | B13 | 48 |

SLI (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| LB1 | 12 | 45-50 | 90-100 | 360-400 | 390-430 | 208 | 175 | 175 | 10,8 - 11,1 | 1 | 0 | B13 | 88 |
| L1 | 12 | 42-53 | 80-106 | 330-480 | 360-520 | 208 | 175 | 190 | 10,8 - 12,3 | 1 | 0 | B13 | 88 |
| LB2 | 12 | 50-62 | 100-124 | 390-540 | 420-580 | 242 | 175 | 175 | 12,5 - 14,0 | 1 | 0 | B13 | 76 |
| L2 | 12 | 45-62 | 90-124 | 390-580 | 420-620 | 242 | 175 | 190 | 12,6 - 14,5 | 1 | 0 | B13 | 76 |
| LB3 | 12 | 62-75 | 124-150 | 500-640 | 540-690 | 278 | 175 | 175 | 14,5 - 16,0 | 1 | 0 / 1 | B13 | 64 |
| L3 | 12 | 66-74 | 132-148 | 520-660 | 560-710 | 278 | 175 | 190 | 15,2 - 16,8 | 1 | 0 | B13 | 64 |
| LB4 | 12 | 78-85 | 156-170 | 630-720 | 680-770 | 315 | 175 | 175 | 17,2 - 19,0 | 1 | 0 | B13 | 56 |
| L4 | 12 | 76-82 | 152-164 | 620-750 | 660-750 | 315 | 175 | 190 | 17,2 - 19,0 | 1 | 0 | B13 | 56 |
| LB5 | 12 | 88-100 | 176-200 | 680-810 | 730-860 | 352 | 175 | 175 | 19,4 - 20,9 | 1 | 0 / 1 | B13 | 48 |
| L5 | 12 | 88-100 | 175-200 | 690-810 | 740-860 | 352 | 175 | 190 | 20,0 - 21,5 | 1 | 0 / 1 | B13 | 48 |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| B19 | 12 | 35-42 | 70-84 | 240-320 | 270-350 | 197 | 128 | 225 | 8,9 - 9,9 | 3 | 0 / 1 | B0 | 144 |
| B24 | 12 | 45-55 | 90-110 | 330-400 | 360-430 | 236 | 128 | 225 | 11,2 - 12,1 | 3 | 0 / 1 | B0 | 72 |
| D23 | 12 | 55-65 | 110-130 | 460-550 | 500-590 | 230 | 172 | 225 | 14,0 - 15,0 | 1 | 0 / 1 | B01 | 80 |
| D26 | 12 | 60-72 | 120-144 | 510-630 | 550-680 | 260 | 176 | 225 | 15,8 - 16,9 | 1 | 0 / 1 | B01 | 64 |
| D31 | 12 | 85-100 | 170-200 | 630-710 | 680-760 | 306 | 176 | 225 | 21,0 - 22,3 | 1 | 0 / 1 | B01 | 42 |

COMMERCIAL & HD (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| A | 12 | 120-135 | 240-270 | 730-850 | 780-910 | 513 | 190 | 214 | 31,0 - 33,0 | 1 | 3/4* | B03 | 24 |
| B | 12 | 155-190 | 310-380 | 950-1080 | 1010-1150 | 516 | 220 | 206 | 38,8 - 41,1 | 1 | 3/4* | B0 | 21 |
| C | 12 | 190-240 | 380-480 | 1150-1400 | 1220-1480 | 518 | 274 | 238 | 54,7 - 60,7 | 1 | 3/4* | B0 | 18 |

COMMERCIAL & HD (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| 31P | 12 | 85-120 | 170-240 | 610-920 | 650-980 | 336 | 175 | 237 | 23,5 - 27,2 | 1 | 0 | B0 | 48 |
| 31S | 12 | 85-120 | 170-240 | 610-920 | 650-980 | 336 | 175 | 237 | 23,5 - 27,2 | 1 | 0 | B0 | 48 |

OUR ENERGY GOES
BEYOND.



OUR RANGE GOES FURTHER.

ORIGIN EGYPT

SLI (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| L1 | 12 | 44-50 | - | 360-440 | - | 207 | 175 | 190 | 10,8 - 11,5 | A | 0 | B13 | 100 |
| L2 | 12 | 45-62 | - | 380-540 | - | 242 | 175 | 190 | 12,8 - 13,1 | A | 0 | B13 | 85 |
| LB3 | 12 | 65-75 | - | 580-640 | - | 278 | 175 | 175 | 15,8 - 16,3 | A | 0 | B13 | 75 |
| L3 | 12 | 66-75 | - | 550-670 | - | 278 | 175 | 190 | 16,0 - 17,5 | A | 0 | B13 | 75 |
| LB4 | 12 | 70-80 | - | 650-750 | - | 315 | 175 | 175 | 17,8 - 19,0 | A | 0 | B13 | 60 |
| L5 | 12 | 88-100 | - | 750-850 | - | 351 | 175 | 190 | 21,5 - 23,5 | A | 0 | B13 | 55 |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| B19 | 12 | 32-35 | - | 270-300 | - | 187 | 127 | 220 | 8,5 - 9,3 | B | 0 | B0 | 160 |
| B24 | 12 | 40-45 | - | 320-360 | - | 235 | 135 | 220 | 10,8 - 11,5 | B | 0 / 1 | B0-B1 | 110 |
| D23 | 12 | 55-60 | - | 490-540 | - | 231 | 172 | 220 | 14,0 - 14,7 | A | 0 | B1 | 85 |
| D26 | 12 | 50-70 | - | 430-630 | - | 258 | 172 | 220 | 15,0 - 16,7 | A | 0 | B1 | 90 |
| D31 | 12 | 70-90 | - | 600-750 | - | 303 | 172 | 220 | 19,5 - 21,5 | A | 0 | B1 | 75 |

COMMERCIAL & HD (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| A | 12 | 110-120 | - | 850-870 | - | 506 | 182 | 233 | 31,0 - 32,0 | A | 3 | B0 | 40 |
| B | 12 | 135-180 | - | 1000-1150 | - | 506 | 215 | 233 | 38,0 - 44,0 | A | 3 | B0 | 30 |
| C | 12 | 180-225 | - | 1200-1300 | - | 509 | 274 | 240 | 50,0 - 54,0 | A | 3 | B0 | 25 |

COMMERCIAL & HD (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| E41 | 12 | 100-110 | - | 830-850 | - | 408 | 172 | 230 | 23,0 - 23,5 | A | 0 | B0 | 50 |
| F51 | 12 | 110-120 | - | 850-870 | - | 506 | 182 | 233 | 31,0 - 32,0 | A | 3 | B0 | 40 |
| G51 | 12 | 135-150 | - | 1000-1050 | - | 506 | 215 | 233 | 38,0 - 40,0 | A | 3 | B0 | 30 |
| H52 | 12 | 180-225 | - | 1200-1300 | - | 509 | 274 | 240 | 50,0 - 54,0 | A | 3 | B0 | 25 |

COMMERCIAL & HD (BCI)

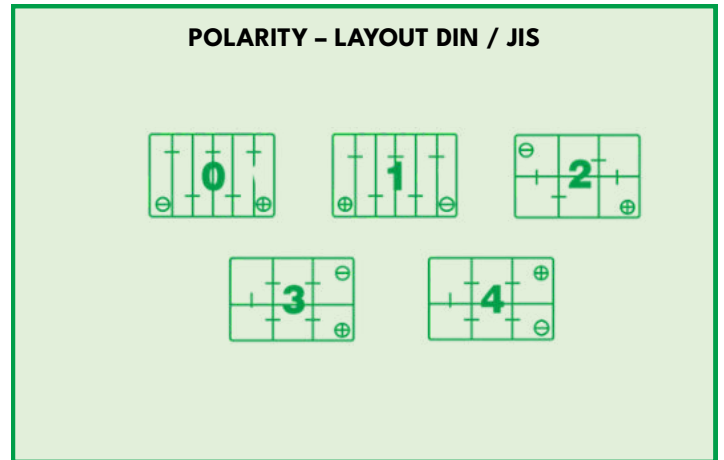
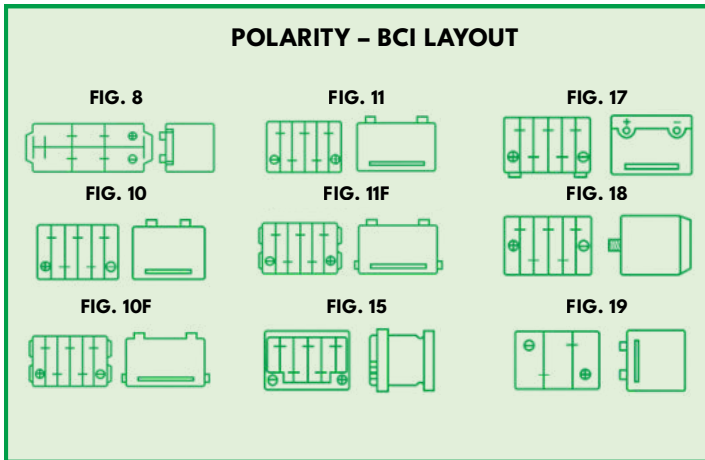
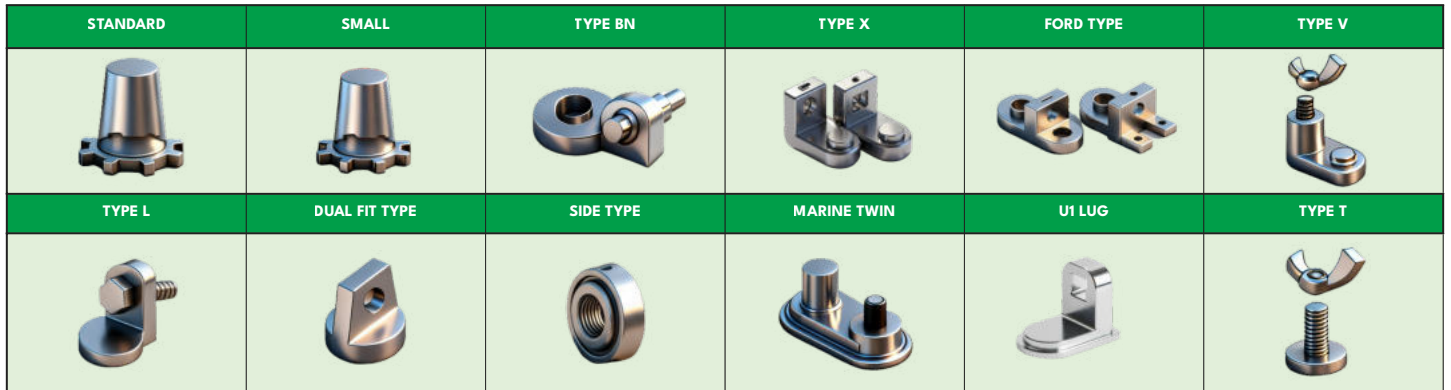
| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| 31P | 12 | 105-120 | - | 820-980 | - | 336 | 175 | 237 | 25,0 - 27,2 | 1 | 0 | B0 | - |
| 31S | 12 | 105-120 | - | 820-980 | - | 336 | 175 | 237 | 25,0 - 27,2 | 1 | 0 | B0 | - |
| 4D | 12 | 120-160 | - | 780-1080 | - | 513 | 190 | 214 | 32,0 - 39,7 | 1 | 3 | B03 | 40 |
| 8D | 12 | 190-200 | - | 1220-1270 | - | 518 | 274 | 238 | 51,3 - 52,0 | 1 | 3 | B0 | 25 |



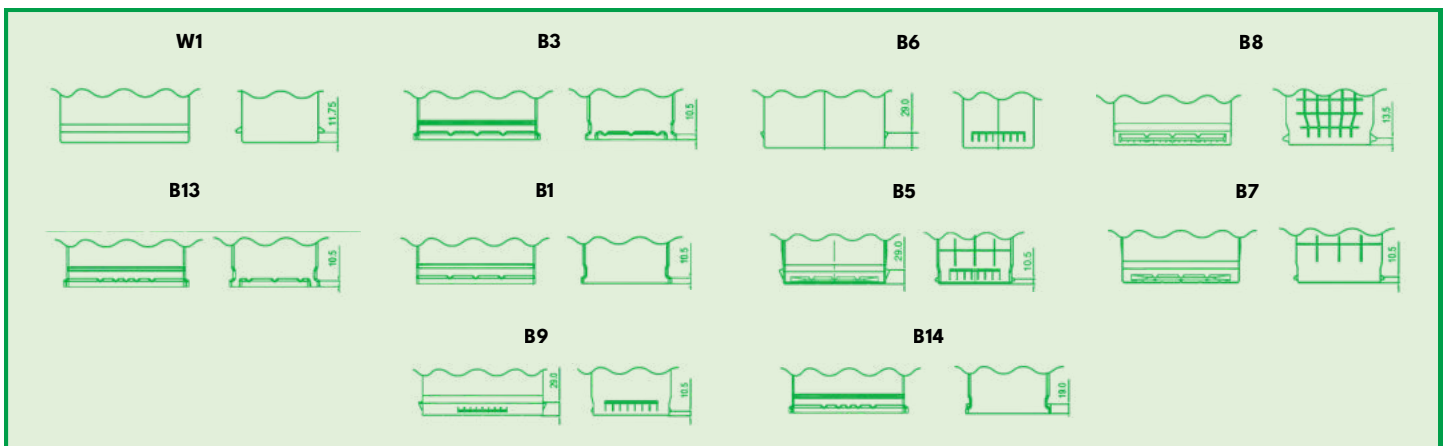
BATTERY DESIGN

The dimensions listed in the battery specifications are shown in the following diagrams. The overall dimensions include protrusions such as base brackets, lid edges and handles, or lifting edges, as applicable.

TERMINALS



BASE - HEEL - HOLD DOWN



OUR RANGE GOES FURTHER.

ORIGIN COLOMBIA

EFB (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| L2 | 12 | 60 | - | 600 | 640 | 242 | 175 | 190 | 16,2 | A | 0 | B3 | - |
| L3 | 12 | 70 | - | 680 | 740 | 278 | 175 | 190 | 19,7 | A | 0 | B3 | - |

EFB (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| D26 | 12 | 75 | - | 680 | 740 | 260 | 172 | 225 | | A | 0 | B0 | - |
| D31 | 12 | 80 | - | 800 | 850 | 305 | 172 | 225 | 22,5 | A | 0 | B0 | - |

SLI (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| LB1 | 12 | - | 65-72 | 360-440 | 400-470 | 205 | 175 | 175 | 10,7 - 12,2 | A | 0/1 | B3 | 150 |
| L1 | 12 | - | 65-72 | 360-440 | 400-470 | 205 | 175 | 190 | 12,2 | A | 0/1 | B3 | 150 |
| LB2 | 12 | - | 81-100 | 500-540 | 546-600 | 242 | 175 | 175 | 12,1 - 13,6 | A | 0/1 | B3 | 120 |
| L2 | 12 | - | 55-90 | 360-588 | 397-640 | 242 | 175 | 190 | 11,4 - 16,2 | A | 0/1 | B3 | 120 |
| LB3 | 12 | - | 96-110 | 515-640 | 546-870 | 278 | 175 | 175 | 14,7 - 15,6 | A | 0/1 | B3 | 120 |
| L3 | 12 | - | 86-132 | 515 | 497-583 | 278 | 175 | 190 | 14,1 - 19,7 | A | 0/1 | B3 | 120 |
| LB4 | 12 | - | 165 | 740 | 850 | 315 | 175 | 175 | 21,9 | A | 0/1 | B3 | - |
| L4 | 12 | - | 165 | 740 | 850 | 315 | 175 | 190 | 21,9 | A | 0/1 | B3 | - |
| L5 | 12 | - | 200 | 800 | 865 | 350 | 175 | 190 | 26,0 | A | 0/1 | B3 | - |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|---------|------------|
| B19 | 12 | - | 40-60 | 280-370 | 326-434 | 196 | 128 | 224 | 9,2 - 11,2 | A/3 | 0/1 | B0 / B1 | 200 |
| B24 | 12 | - | 60-79 | 370-462 | 434-543 | 230 | 120 | 227 | 11,1 - 12,2 | A/3 | 0/1 | B0 / B1 | 160 |
| D23 | 12 | - | 77-125 | 418-627 | 513-770 | 230 | 212 | 218 | 14,3 - 15,8 | A | 0/1 | B0 | 120 |
| D26 | 12 | - | 66-137 | 366-680 | 449-680 | 260 | 171 | 225 | 13,4 - 17,0 | A | 0/1 | B0 | 120 |
| D31 | 12 | - | 101-173 | 523-850 | 642-1080 | 306 | 171 | 225 | 16,6 - 22,5 | A | 0/1 | B0 | 90 |

SLI (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| 24 | 12 | - | 66-137 | 356-680 | 449-834 | 260 | 171 | 225 | 13,4 - 17,0 | A | 10/11* | B0 | 120 |
| 25 | 12 | - | 101 | 418-523 | 513-642 | 230 | 212 | 218 | 14,3 - 15,4 | A | 10 | B1 | 120 |
| 27 | 12 | - | 101-173 | 523-850 | 642-1080 | 306 | 171 | 225 | 16,5 - 22,5 | A | 0/1 | B1 | 90 |
| 34 | 12 | - | 76-117 | 447-646 | 525-758 | 259 | 167 | 200 | 14,6 - 16,0 | A | 10/11* | B0 | 120 |
| 35 | 12 | - | 101 | 523 | 642 | 230 | 212 | 218 | 14,3 - 15,4 | A | 11 | B1 | 120 |
| 51 | 12 | - | 60-79 | 370-462 | 434-543 | 230 | 120 | 227 | 11,1 - 12,2 | A/3 | 10/11* | B0/B1 | - |
| 65 | 12 | - | 135-173 | 680-836 | 917-1129 | 302 | 190 | 190 | 17,8 | A | 10/11* | B8 | 75 |
| 151 | 12 | - | 40-60 | 280-370 | 326-434 | 362 | 196 | 224 | - | A/3 | 0/1 | B0/B1 | - |

COMMERCIAL & HD (DIN)

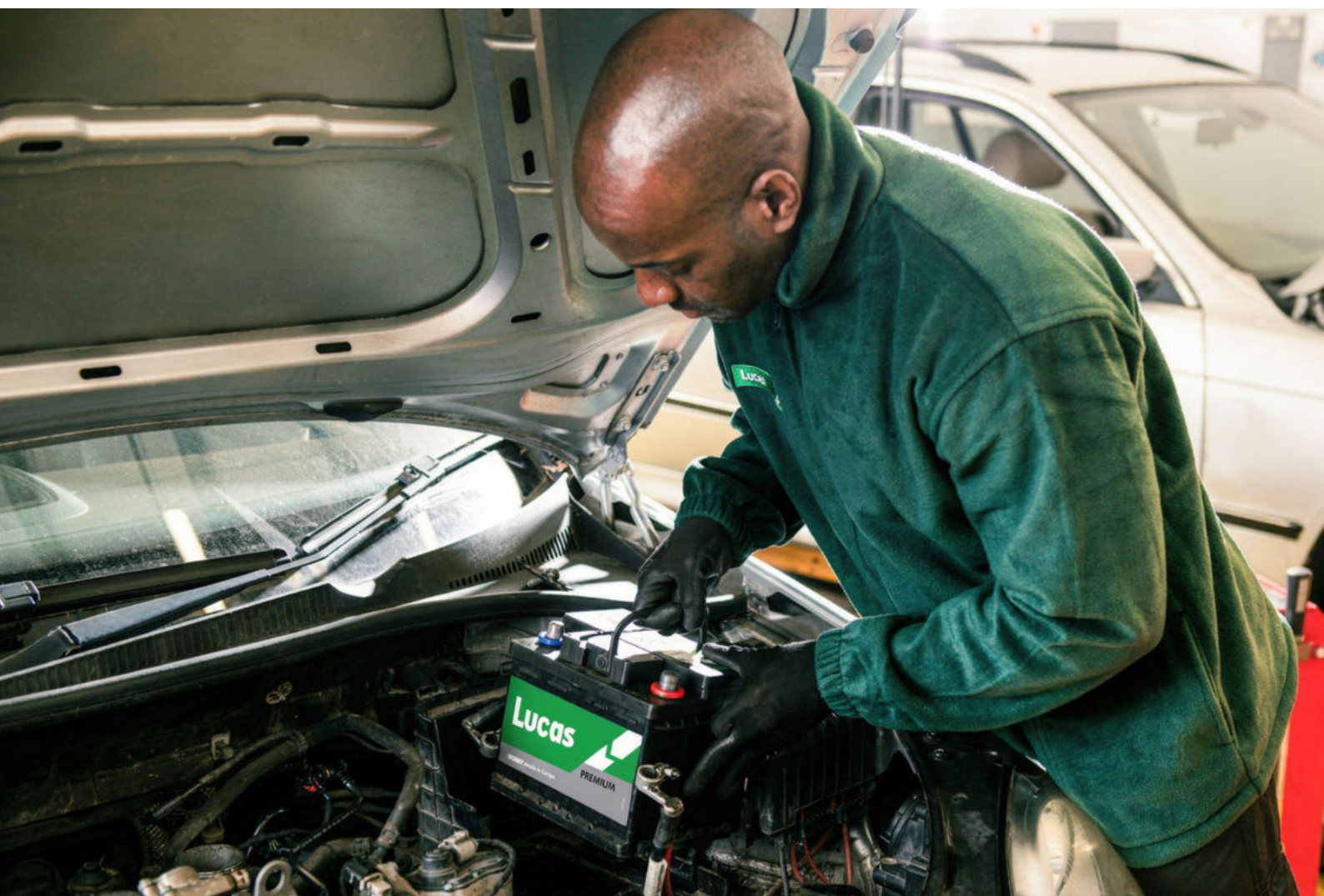
| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| B | 12 | - | 205-297 | 765-1075 | 809-1142 | 510 | 222 | 242 | 33,9 - 38,5 | A | 3/4* | B0 | 40 |
| C | 12 | - | 271-400 | 995-1165 | 1046-1237 | 528 | 278 | 247 | 44,2 - 52,0 | A | 3/4* | B0 | 32 |

COMMERCIAL & HD (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| E41 | 12 | - | 140-166 | 690-805 | 847-988 | 406 | 173 | 230 | 23,7 - 25,2 | A | 0/1 | B0 | 60 |
| G51 | 12 | - | 205-297 | 809-1142 | 1200-1694 | 510 | 222 | 242 | 33,9 - 38,5 | A | 3/4* | B0 | 40 |
| H52 | 12 | - | 271-400 | 1046-1237 | 1552-1835 | 528 | 278 | 247 | 44,2 - 52,0 | A | 3/4* | B0 | 32 |

COMMERCIAL & HD (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|------|-------------|----------|----------|-----------|-----------|--------|--------|--------|-------------|----------|--------|--------|------------|
| 29 | 12 | - | 140-166 | 690-805 | 847-988 | 406 | 173 | 230 | 23,7 - 25,2 | A | 10/11* | B0 | 60 |
| 31 | 12 | - | 144-192 | 690-925 | 847-1130 | 330 | 175 | 236 | 22,0 - 25,1 | A/T | 18 | B0 | 90 |
| 4DLT | 12 | - | 176-261 | 821-1180 | 1108-1502 | 479 | 212 | 194 | 33,6 - 38,8 | A | 8/16* | B0 | 40 |
| 4D | 12 | - | 205-297 | 809-1142 | 1200-1694 | 510 | 222 | 242 | 33,9 - 38,5 | A | 8/16* | B0 | 40 |
| 8D | 12 | - | 271-400 | 1046-1237 | 1552-1835 | 528 | 278 | 247 | 44,2 - 52,0 | A | 8/16* | B0 | 32 |



OUR RANGE GOES FURTHER.

ORIGIN ARGENTINA

COMMERCIAL & HD (DIN)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| LB1 | 12 | 36 | 39 | - | 500 | 205 | 175 | 175 | - | - | 0 | - | - |
| L1 | 12 | 45 | 43 | - | 540 | 205 | 175 | 195 | - | - | 0 | - | - |
| LB2 | 12 | 35-46 | 47-60 | - | 500-630 | 245 | 175 | 175 | - | - | 0 | - | - |
| L2 | 12 | 50 | 86 | - | 660 | 245 | 175 | 195 | - | - | 0 | - | - |
| LB3 | 12 | 50-60 | 86-100 | - | 750-805 | 275 | 175 | 175 | - | - | 0 | - | - |
| L3 | 12 | 70 | 125 | - | 810 | 275 | 175 | 195 | - | - | 0 | - | - |
| L5 | 12 | 80 | 133 | - | 865 | 324 | 175 | 175 | - | - | 0 | - | - |

SLI (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| D31 | 12 | 69 | 125 | - | 810 | 300 | 175 | 220 | - | - | - | - | - |

COMMERCIAL & HD (BCI)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| 31 | 12 | 81-85 | 138-153 | - | 880-950 | 330 | 175 | 220 | - | - | - | - | - |
| 4D | 12 | 130-145 | 270-305 | - | 1250-1310 | 530 | 225 | 230 | - | - | - | - | - |
| 8D | 12 | 165 | 320 | - | 1460 | 530 | 276 | 245 | - | - | - | - | - |

COMMERCIAL & HD (JIS)

| Box | Voltage (V) | C20 (Ah) | RC (min) | CCC (EN) | CCA (SAE) | L (mm) | W (mm) | H (mm) | Weight | Terminal | Layout | H-down | Pcs/pallet |
|-----|-------------|----------|----------|----------|-----------|--------|--------|--------|--------|----------|--------|--------|------------|
| E41 | 12 | 92 | 175 | - | 984 | 425 | 178 | 215 | - | - | - | - | - |



Lucas Territories

American territories where we are exclusive licensees



OUR RANGE GOES FURTHER.

Lucas Batteries America

Exclusively distributed by:

VT Batteries

Calle Valle de Tobalina, 10 09001

Burgos, Spain

Tel. +34 947 07 00 21

info@lucasbatt.com

VT Power Brazil

Av. Madre Leonia Milito 1500, 13th Floor, Room

1311, Londrina, Paraná, Brazil