

# ***TURBO*** **BATTERY**



## **STARTER BATTERIES CATALOG** **2024**

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Ako Battery Factory

# DIN TYPE

## Specifications

- Superior Cranking Power.
- Conforms to the original equipments requirements.
- All types are "Sealed Maintenance Free".
- Matrix Press Grid Technology.\*



| DIN TYPE   |      |          |          |               |                |               |                  |             |            |             |                 |           |          |              |                  |
|------------|------|----------|----------|---------------|----------------|---------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code       | Type | Bci Type | Box Type | Capacity (Ah) | Cca En (-18°C) | Cca Sae (0°C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| SMF-54459  | L1   | 26       | L1       | 45            | 450            | 480           | 70               | 207         | 174        | 188         | 0               | B13       | A        | 80           | 120              |
| SMF-54464  | L1   | 26       | L1       | 45            | 450            | 480           | 70               | 207         | 174        | 188         | 1               | B13       | A        | 80           | 120              |
| SMF-54321  | LB1  | 99       | LB1      | 45            | 450            | 480           | 68               | 207         | 174        | 173         | 0               | B13       | A        | 80           | 120              |
| SMF-54322  | LB1  | 99       | LB1      | 45            | 450            | 480           | 68               | 207         | 174        | 173         | 1               | B13       | A        | 80           | 120              |
| SMF-55559  | L2   | 47       | L2       | 55            | 540            | 580           | 88               | 240         | 175        | 189         | 0               | B13       | A        | 64           | 96               |
| SMF- 55565 | L2   | 47       | L2       | 55            | 540            | 580           | 88               | 240         | 175        | 189         | 1               | B13       | A        | 64           | 96               |
| SMF-56019  | L2   | 47       | L2       | 60            | 590            | 630           | 98               | 240         | 175        | 189         | 0               | B13       | A        | 64           | 96               |
| SMF-56020  | L2   | 47       | L2       | 60            | 590            | 630           | 98               | 240         | 175        | 189         | 1               | B13       | A        | 64           | 96               |
| SMF 55509  | LB2  | 42       | LB2      | 55            | 540            | 580           | 88               | 240         | 175        | 175         | 0               | B13       | A        | 64           | 96               |
| SMF 55510  | LB2  | 42       | LB2      | 55            | 540            | 580           | 88               | 240         | 175        | 175         | 1               | B13       | A        | 64           | 96               |
| SMF-56249  | LB2  | 42       | LB2      | 60            | 590            | 630           | 98               | 240         | 175        | 175         | 0               | B13       | A        | 64           | 96               |
| SMF-56250  | LB2  | 42       | LB2      | 60            | 590            | 630           | 98               | 240         | 175        | 175         | 1               | B13       | A        | 64           | 96               |
| SMF 56638  | L3   | 41       | L3       | 66            | 690            | 740           | 118              | 277         | 175        | 191         | 0               | B13       | A        | 60           | 90               |
| SMF 56640  | L3   | 41       | L3       | 66            | 690            | 740           | 118              | 277         | 175        | 191         | 1               | B13       | A        | 60           | 90               |
| SMF-57412  | L3   | 41       | L3       | 72            | 740            | 790           | 128              | 277         | 175        | 191         | 0               | B01       | A        | 60           | 90               |
| SMF-57413  | L3   | 41       | L3       | 72            | 740            | 790           | 128              | 277         | 175        | 191         | 1               | B01       | A        | 60           | 90               |
| SMF-57113  | LB3  | 48       | LB3      | 70            | 740            | 790           | 128              | 277         | 175        | 176         | 0               | B13       | A        | 60           | 90               |
| SMF-57114  | LB3  | 48       | LB3      | 70            | 740            | 790           | 128              | 277         | 175        | 176         | 1               | B13       | A        | 60           | 90               |
| SMF-58043  | L4   | 43/94    | L4       | 80            | 750            | 800           | 138              | 313         | 175        | 189         | 0               | B13       | A        | 48           | 72               |
| SMF-57539  | LB4  | 92       | LB4      | 80            | 750            | 800           | 138              | 312         | 175        | 174         | 0               | B13       | A        | 48           | 72               |
| SMF-58827  | L5   | 49       | L5       | 88            | 710            | 770           | 154              | 353         | 175        | 190         | 0               | B13       | A        | 48           | 72               |
| SMF-58893  | LB5  | 93       | LB5      | 88            | 710            | 770           | 154              | 353         | 175        | 175         | 0               | B13       | A        | 48           | 72               |
| SMF-60038  | L5   | 49       | L5       | 100           | 900            | 970           | 179              | 353         | 175        | 190         | 0               | B13       | A        | 48           | 72               |
| SMF-60093  | LB5  | 93       | LB5      | 100           | 900            | 970           | 179              | 353         | 175        | 175         | 0               | B13       | A        | 48           | 72               |
| SMF-60039  | L5   | 49       | L5       | 100           | 900            | 970           | 179              | 353         | 175        | 190         | 1               | B13       | A        | 48           | 72               |



# JIS TYPE

## Specifications

- Superior Cranking Power.
- Conforms to the original equipments requirements.
- All types are "Sealed Maintenance Free".
- Matrix Press Grid Technology.\*



| JIS TYPE       |          |          |          |               |                |               |                  |             |            |             |                 |           |          |              |                  |
|----------------|----------|----------|----------|---------------|----------------|---------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code           | Type     | Bci Type | Box Type | Capacity (Ah) | Cca En (-18°C) | Cca Sae (0°C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| SMF-40B19L     | B19/NS40 | N/A      | B19/NS40 | 35            | 280            | 300           | 52               | 196         | 136        | 225         | 0               | BO1       | B        | 116          | 174              |
| SMF-40B19R     | B19/NS40 | N/A      | B19/NS40 | 35            | 280            | 300           | 52               | 196         | 136        | 225         | 1               | BO1       | B        | 116          | 174              |
| SMF-40B19FL    | B19/NS40 | N/A      | B19/NS40 | 45            | 360            | 390           | 64               | 196         | 136        | 225         | 0               | BO1       | B        | 116          | 174              |
| SMF-40B19FR    | B19/NS40 | N/A      | B19/NS40 | 45            | 360            | 390           | 64               | 196         | 136        | 225         | 1               | BO1       | B        | 116          | 174              |
| SMF-NS-50B24FL | B24/NS60 | 51       | B24/NS60 | 42            | 320            | 340           | 61               | 238         | 134        | 225         | 0               | BO1       | B        | 84           | 126              |
| SMF-NS-50B24FR | B24/NS60 | 51       | B24/NS60 | 42            | 320            | 340           | 61               | 238         | 134        | 225         | 1               | BO1       | B        | 84           | 126              |
| SMF-50B24FL    | B24/NS60 | 51       | B24/NS60 | 50            | 400            | 430           | 79               | 238         | 134        | 225         | 0               | BO1       | B        | 84           | 126              |
| SMF-50B24FR    | B24/NS60 | 51       | B24/NS60 | 50            | 400            | 430           | 79               | 238         | 134        | 225         | 1               | BO1       | B        | 84           | 126              |
| SMF-50B24L     | B24/NS60 | 51       | B24/NS60 | 50            | 400            | 430           | 79               | 238         | 134        | 225         | 0               | BO        | B        | 84           | 126              |
| SMF-50B24R     | B24/NS60 | 51       | B24/NS60 | 50            | 400            | 430           | 79               | 238         | 134        | 225         | 1               | BO        | B        | 84           | 126              |
| SMF-55D23L     | D23      | 35       | D23      | 60            | 600            | 640           | 98               | 235         | 178        | 220         | 0               | BO1       | A        | 64           | 96               |
| SMF-55D23R     | D23      | 25       | D23      | 60            | 600            | 640           | 98               | 235         | 178        | 220         | 1               | BO1       | A        | 64           | 96               |
| SMF-80D26L     | D26/N50  | 24       | D26/N50  | 70            | 720            | 770           | 138              | 260         | 173        | 220         | 0               | BO1       | A        | 64           | 96               |
| SMF-80D26R     | D26/N50  | 24       | D26/N50  | 70            | 720            | 770           | 138              | 260         | 173        | 220         | 1               | BO1       | A        | 64           | 96               |
| SMF-105D31FL   | D31/N70  | 27       | D31/N70  | 95            | 690            | 740           | 172              | 304         | 173        | 224         | 0               | BO1       | A        | 48           | 72               |
| SMF-105D31FR   | D31/N70  | 27       | D31/N70  | 95            | 690            | 740           | 172              | 304         | 173        | 224         | 1               | BO1       | A        | 48           | 72               |
| SMF-115D31FL   | D31/N70  | 27       | D31/N70  | 110           | 740            | 800           | 196              | 304         | 173        | 224         | 0               | BO1       | A        | 48           | 72               |
| SMF-115D31FR   | D31/N70  | 27       | D31/N70  | 110           | 740            | 800           | 196              | 304         | 173        | 224         | 1               | BO1       | A        | 48           | 72               |

# HEAVY DUTY

## Features

Turbo Super Heavy Duty Battery is a robust heavy duty starter battery, engineered for applications where resistance to vibration, reliability and power are essential. It offers exceptional starting power and longevity, meeting the demands of commercial and industrial vehicles.

- Superior Cranking Power: Delivers high cranking power for reliable starting, even in harsh conditions.
- Enhanced Durability: Designed to withstand the rigorous demands of heavy duty use.
- Vibration and Shock Resistance: Reinforced casing and fixed cells for high resistance to vibrations and shocks.
- Maintenance-Free



| HEAVY DUTY |      |          |          |               |                |               |                  |             |            |             |                 |           |          |              |                  |
|------------|------|----------|----------|---------------|----------------|---------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code       | Type | Bci Type | Box Type | Capacity (Ah) | Cca En (-1 °C) | Cca Sae (0°C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| MF 62034   | N120 | N/A      | D4/A     | 120           | 840            | 900           | 227              | 512         | 188        | 213         | 3               | B03       | A        | 28           | 35               |
| MF-63530   | N135 | N/A      | D4/A     | 140           | 980            | 1050          | 265              | 512         | 188        | 213         | 3               | B03       | A        | 28           | 35               |
| MF-150     | N150 | 4D       | D5/B     | 150           | 1000           | 1070          | 292              | 512         | 222        | 215         | 3               | B0        | A        | 24           | 30               |
| MF-67018   | N170 | 4D       | D5/B     | 170           | 1100           | 1180          | 330              | 512         | 222        | 215         | 3               | B0        | A        | 24           | 30               |
| MF-67019   | N170 | 4D       | D5/B     | 170           | 1100           | 1180          | 330              | 512         | 222        | 215         | 4               | B0        | A        | 24           | 30               |
| MF-68032   | N180 | 4D       | D5/B     | 180           | 1130           | 1210          | 357              | 512         | 222        | 215         | 3               | B0        | A        | 24           | 30               |
| MF-72511   | N225 | 8D       | D6/C     | 225           | 1270           | 1360          | 467              | 515         | 275        | 236         | 3               | B0        | A        | 20           | 25               |
| MF-74050   | N225 | 8D       | D6/C     | 235           | 1300           | 1400          | 495              | 515         | 275        | 236         | 3               | B0        | A        | 20           | 25               |

# BCI31/ BCI65

## Features

Turbo BCI Group starter battery, engineered for high-demand applications where power and reliability are paramount. This high performance battery ensures swift, reliable starts and superior deep cycling capabilities, offering both power and endurance in one package.

- High Cranking Power: Delivers outstanding starting power, ensuring reliable starts in any weather condition.
- Sealed Maintenance-Free



| BCI GROUP   |      |          |          |               |                 |                |                  |             |            |             |                 |           |          |              |                  |
|-------------|------|----------|----------|---------------|-----------------|----------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code        | Type | Bci Type | Box Type | Capacity (Ah) | Cca En (-18 °C) | Cca Sae (0 °C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| BCI31-940M  | 31   | 31M      | BCI31    | 120           | 880             | 940            | 223              | 330         | 173        | 238         | 18              | BO        | M        | 48           | 72               |
| BCI31-940P  | 31   | 31P      | BCI31    | 120           | 880             | 940            | 223              | 330         | 173        | 238         | 18              | BO        | P        | 48           | 72               |
| BCI31-940S  | 31   | 31S      | BCI31    | 120           | 880             | 940            | 223              | 330         | 173        | 238         | 18              | BO        | S        | 48           | 72               |
| BCI31-990ZL | 31   | 31Z      | BCI31    | 135           | 920             | 990            | 256              | 330         | 173        | 238         | 0               | BO        | Z        | 48           | 72               |
| BCI31-990ZR | 31   | 31Z      | BCI31    | 135           | 920             | 990            | 256              | 330         | 173        | 238         | 1               | BO        | Z        | 48           | 72               |
| BCI65-860AR | 65   | 65       | BCI65    | 80            | 800             | 860            | 138              | 282         | 182        | 190         | 1               | B08       | A        | 48           | 72               |

# START-STOP / AGM

## Features

Turbo AGM Battery is Premium Absorbent Glass Mat (AGM) battery.

- High Performance: With its maximum sealing and high cycling ability, it shows superior performance compared to standard batteries in extreme climatic conditions.
- Long Cycle Life: Offers an extended lifespan, making it a cost-effective solution in the long run.
- Vibration Resistance: The tightly packed AGM design provides increased resistance to vibrations and shocks.
- Eco-Friendly: Compatible with start-stop vehicles with regenerative braking system and less carbon emissions.
- High Charge Acceptance Ability: Easily charging for Start-Stop Technology.
- Maximum Leak-Proof: Thanks to special separator with acid impregnated – no free-acid, which provides maximum acid impermeability and no-spillage under all conditions.



| START-STOP/AGM |        |          |          |               |                |               |                  |             |            |             |                 |           |          |              |                  |
|----------------|--------|----------|----------|---------------|----------------|---------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code           | Type   | Bci Type | Box Type | Capacity (Ah) | Cca En (-18°C) | Cca Sae (0°C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| AGM48-800      | AGM L3 | 48       | L3       | 70            | 760            | 800           | 118              | 277         | 175        | 191         | 0               | B13       | A        | 60           | 79               |

# START- STOP / EFB

## Features

Turbo EFB Batteries are designed to meet the energy demands of modern vehicles with start-stop systems and energy recuperation with deep discharge and deep cycling abilities. It offers superior performance, excellent reliability and long service life.

- **Optimized for Start-Stop Systems:** Engineered to handle frequent engine start-stops. Provides quick, reliable starts and keeps your electronics going even with the engine off.
- **Superior Cycle Life:** Designed to provide double the endurance of conventional batteries. Ideal for vehicle with high energy demands.
- **Advanced Energy Management:** Efficient power delivery and improved energy recuperation for a smoother, more fuel-efficient drive.
- **Enhanced Durability:** Withstands extreme conditions and vibrations.
- **Sealed Maintenance-Free:** Sealed, leak-proof design requires no water top-ups or regular maintenance.
- **Deep-Cycle Capability:** Designed for prolonged discharges and recharges, essential for running onboard electronics and appliances.



| START-STOP/EFB |         |          |          |               |                |               |                  |             |            |             |                 |           |          |              |                  |
|----------------|---------|----------|----------|---------------|----------------|---------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code           | Type    | Bci Type | Box Type | Capacity (Ah) | Cca En (-18°C) | Cca Sae (0°C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| EFB47-650L     | L2      | 47       | L2       | 60            | 600            | 650           | 98               | 240         | 175        | 189         | 0               | B13       | A        | 64           | 96               |
| EFB47-650R     | L2      | 47       | L2       | 60            | 600            | 650           | 98               | 240         | 175        | 189         | 1               | B13       | A        | 64           | 96               |
| EFB41-750L     | L3      | 41       | L3       | 70            | 700            | 750           | 118              | 277         | 175        | 191         | 0               | B13       | A        | 60           | 78               |
| EFB41-750R     | L3      | 41       | L3       | 70            | 700            | 750           | 118              | 277         | 175        | 191         | 1               | B13       | A        | 60           | 78               |
| EFB43-860L     | L4      | 43/94    | L4       | 80            | 800            | 860           | 138              | 313         | 175        | 189         | 0               | B13       | A        | 48           | 72               |
| EFB43-860R     | L4      | 43/94    | L4       | 80            | 800            | 860           | 138              | 313         | 175        | 189         | 1               | B13       | A        | 48           | 72               |
| EFB49-910L     | L5      | 49       | L5       | 100           | 850            | 910           | 205              | 353         | 175        | 190         | 0               | B13       | A        | 48           | 72               |
| EFB49-910R     | L5      | 49       | L5       | 100           | 850            | 910           | 205              | 353         | 175        | 190         | 1               | B13       | A        | 48           | 72               |
| EFB-Q85-TL     | D23     | 35       | D23      | 65            | 520            | 560           | 96               | 235         | 178        | 220         | 0               | B01       | A        | 64           | 96               |
| EFB-Q85-TR     | D23     | 25       | D23      | 65            | 520            | 560           | 96               | 235         | 178        | 220         | 1               | B01       | A        | 64           | 96               |
| EFB-S95-TL     | D26/N50 | 24       | D26/N50  | 70            | 640            | 690           | 118              | 260         | 173        | 220         | 0               | B01       | A        | 64           | 96               |
| EFB-S95-TR     | D26/N50 | 24       | D26/N50  | 70            | 640            | 690           | 118              | 260         | 173        | 220         | 1               | B01       | A        | 64           | 96               |
| EFB-B31M660    | 31      | 31E      | BCI31    | 90            | 610            | 660           | 158              | 330         | 173        | 238         | 18              | B0        | M        | 48           | 72               |
| EFB-T110-TL    | D31/N70 | 27       | D31/N70  | 100           | 690            | 740           | 172              | 304         | 173        | 224         | 0               | B01       | A        | 48           | 72               |
| EFB-T110-TR    | D31/N70 | 27       | D31/N70  | 100           | 690            | 740           | 172              | 304         | 173        | 224         | 1               | B01       | A        | 48           | 72               |
| EFB-B31M660    | 31      | 31E      | BCI31    | 120           | 820            | 880           | 223              | 330         | 173        | 238         | 18              | B0        | M        | 48           | 72               |



# MARINE

## Features

Turbo Marine Batteries are marine battery engineered for durability and reliability even in the harshest marine environments. It delivers efficient power for all onboard electronics and motor starting. The rugged design ensures a long lifespan and high performance.

- High Cranking Power: Provides dependable starts with high cranking power.
- Deep-Cycle Capability: Designed for prolonged discharges and recharges, essential for running onboard electronics and appliances.
- Vibration Resistance
- Corrosion Resistance: Special design to resist corrosion caused bu saltwater and high humidity.
- Maintenance-Free



| MARINE       |           |          |          |               |                 |                |                  |             |            |             |                 |           |          |              |                  |
|--------------|-----------|----------|----------|---------------|-----------------|----------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code         | Type      | Bci Type | Box Type | Capacity (Ah) | Cca En (-18 °C) | Cca Sae (0 °C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| MARINE-60    | EFB L2    | 47       | L2       | 60            | 600             | 650            | 98               | 240         | 175        | 189         | 0               | B13       | A        | 64           | 96               |
| MARINE-90    | EFB N70   | 27       | N70      | 100           | 690             | 740            | 172              | 304         | 173        | 224         | 0               | B01       | A        | 48           | 72               |
| MARINE-120   | EFB BC131 | 31       | BC131    | 120           | 820             | 880            | 223              | 330         | 173        | 238         | 18              | B0        | M        | 48           | 72               |
| MARINE-120   | EFB A     | N/A      | D4/A     | 120           | 840             | 900            | 223              | 512         | 188        | 213         | 3               | B03       | A        | 28           | 35               |
| MARINE-135   | EFB A     | N/A      | D4/A     | 135           | 950             | 1020           | 256              | 512         | 188        | 213         | 3               | B03       | A        | 28           | 35               |
| MARINE-150   | EFB B     | 4D       | D5/B     | 150           | 940             | 1010           | 290              | 512         | 222        | 215         | 3               | B0        | A        | 24           | 30               |
| MARINE-180   | EFB B     | 4D       | D5/B     | 180           | 1130            | 1210           | 357              | 512         | 222        | 215         | 3               | B0        | A        | 24           | 30               |
| MARINE-200   | EFB C     | 8D       | D6/C     | 200           | 1090            | 1170           | 395              | 515         | 275        | 236         | 3               | B0        | A        | 20           | 25               |
| MARINE-225   | EFB C     | 8D       | D6/C     | 225           | 1260            | 1350           | 468              | 515         | 275        | 236         | 3               | B0        | A        | 20           | 25               |
| MARINE-AGM70 | AGM L3    | 48       | L3       | 70            | 760             | 800            | 118              | 277         | 175        | 191         | 0               | B13       | A        | 60           | 79               |

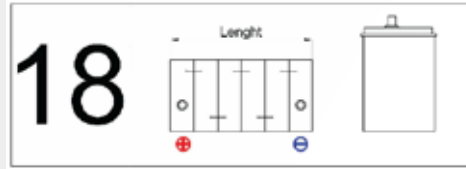
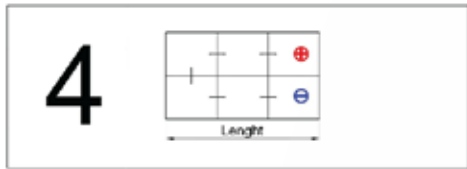
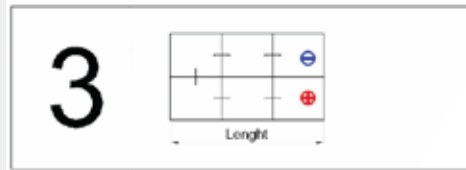
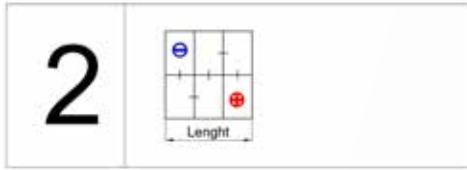
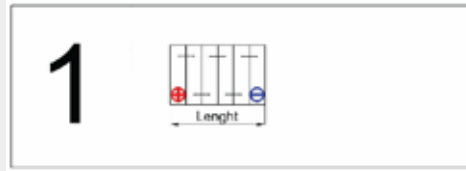
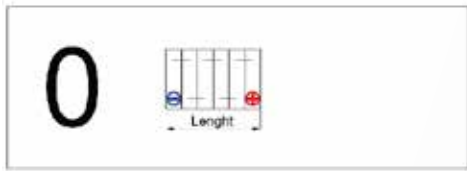
# ULTRA ARMORED VEHICLE

## Features

- Heavy Duty
- Deep Discharge Ability
- High Vibrations Resistance
- High Cranking Performance
- Matrix Press Technology
- Long Shelf Life



| NATO D7   |      |               |                |               |                  |             |            |             |                 |           |          |              |                  |
|-----------|------|---------------|----------------|---------------|------------------|-------------|------------|-------------|-----------------|-----------|----------|--------------|------------------|
| Code      | Type | Capacity (Ah) | Cca En (~18°C) | Cca Sae (0°C) | Reserve Capacity | Length (Mm) | Width (Mm) | Height (Mm) | Terminal Layout | Hold Down | Terminal | Truck Pallet | Container Pallet |
| 516N27000 | D7   | 100           | 1000           | 1075          | 179              | 283         | 268        | 228         | 2               | B0        | A        | 24           | 24               |
| 516N33000 | D7   | 125           | 1200           | 1290          | 234              | 283         | 268        | 228         | 2               | B0        | A        | 24           | 24               |



#### TERMINAL

#### BCI31/BCI65 Sayfası

| Terminal | A (Standart) Type | B (Small) Type | Marine (Dual) Type* | Post Type | Stud Type** |
|----------|-------------------|----------------|---------------------|-----------|-------------|
| Positive |                   |                |                     |           |             |
| Negative |                   |                |                     |           |             |

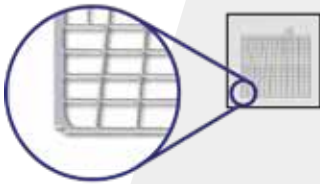
| Terminal | A (Standart) Type | Marine (Dual) Type | Post Type | Stud Type |
|----------|-------------------|--------------------|-----------|-----------|
| Positive |                   |                    |           |           |
| Negative |                   |                    |           |           |

\* 5/16" - 18 Thread

\*\* 3/8" - 16 Thread

|     |  |                                               |
|-----|--|-----------------------------------------------|
| B0  |  | No Hold Downs                                 |
| B01 |  | 10.5 mm Hold Downs on Long Sides              |
| B03 |  | 10.5 mm Hold Downs on Both Sides              |
| B08 |  | 18.5 mm Hold Downs on Long Sides              |
| B13 |  | 10.5 mm Hold Downs on Both Sides<br>5 notches |
| B14 |  | 10.5 mm Hold Downs on Long Sides<br>3 notches |

# MATRIX PRESS TECHNOLOGY



## **NO SHORT CIRCUIT, THANKS TO MATRIX PRESS**

Short circuit resulting from bended corners which puncture envelopes. Prevented by MATRIX PRESS technology solid frame.



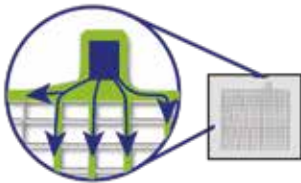
## **NO GRID GROWTH, THANKS TO MATRIX PRESS**

Grid growth resulting from overheat, overcharge, etc. prevented by MATRIX PRESS Technology.



## **HIGH MECHANICAL STRENGTH**

Thanks to MATRIX PRESS technology providing extra strength with the help of special alloy and special grid design.



## **EMPOWERED BATTERY PERFORMANCE & DURABILITY WITH SPECIAL STRAP DESIGN.**

Reinforced frame and stout wire design beneath the lug, empowers the battery performance and result durability.



## **EXTRA RESISTANCE AGAINST VIBRATION**

(( )) Super Vibration Proof ability available on request. Where cells are fitted with special fixers to resist sharp bumps and continuous vibration.

MATRIX PRESS is the latest and continuous process in plate production technology. MATRIX PRESS technology provides the best quality product comparing to all other production methods.

MATRIX PRESS products are calcium calcium, absolute maintenance free and has long life with deep cycle abilities.











Ako Battery Factory



Ako Hq



Petlas Tyre Factory



AkoJant Whells



Ako Tyre Recycle Plant



Sumitomo Tyre Factory

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