



# PRODUCT CATALOGUE

**Powering**  
the **Future** Together!

## General Purpose Battery

### AGM Series

General purpose AGM series batteries adopt advanced AGM valve regulated technology, high purity raw material and special alloys for grid. They have long service life both in floating service and cyclic service and are widely for back up purpose.



#### Features

- **Capacity range**  
1.3~3000ah
- **Voltage**  
2V, 4V, 6V, 12V
- **Low self-discharge rate**  
≤3% per month (1.3ah~28ah)  
≤2% per month (33~3000ah)
- **High oxygen recombination efficiency**  
≥98%
- **Design lifetime in standby application at 25°C**  
8 years (1.3~28ah)  
12-15 years (33~3000ah)
- **Wide operation temperature range**  
0°C~40°C

#### Applications

- DC power supply
- Emergency lighting systems
- UPS/EPS power supply
- Medical equipments
- Alarm and security systems

## Specifications

| Model          | Voltage (V) | Capacity (AH) | Dimension (mm) |      |      |      | Weight (kg) | Terminal Type | Terminal Arrangement |
|----------------|-------------|---------------|----------------|------|------|------|-------------|---------------|----------------------|
|                |             |               | L              | W    | H    | TH   |             |               |                      |
| 4V/6V Series   |             |               |                |      |      |      |             |               |                      |
| BT-4M4.0AC     | 4           | 4.0           | 47.5           | 47.5 | 102  | 107  | 0.45        | F01           | Mode3                |
| BT-4M4.5AC     | 4           | 4.5           | 47.5           | 47.5 | 102  | 107  | 0.49        | F01           | Mode3                |
| BT-6M1.3AC     | 6           | 1.3           | 97             | 24   | 51   | 56   | 0.28        | F00           | Mode6                |
| BT-6M2.8AC     | 6           | 2.8           | 66             | 34   | 98   | 103  | 0.56        | F04           | Mode4                |
| BT-6M3.2AC     | 6           | 3.2           | 125            | 33   | 60   | 65   | 0.63        | F00           | Mode6                |
| BT-6M4.0AC     | 6           | 4.0           | 70             | 47   | 100  | 105  | 0.72        | F1/F2         | Mode4                |
| BT-6M4.5AC     | 6           | 4.5           | 70             | 47   | 100  | 105  | 0.74        | F1/F2         | Mode4                |
| BT-6M5.0AC     | 6           | 5.0           | 170            | 35   | 70   | 76   | 0.83        | F03           | Mode6                |
| BT-6M7.0AC     | 6           | 7.0           | 151            | 36   | 93   | 98   | 1.06        | F1/F2         | Mode6                |
| BT-6M10AC      | 6           | 10            | 151            | 51   | 94   | 99   | 1.60        | F1/F2         | Mode6                |
| BT-6M12AC      | 6           | 12            | 151            | 51   | 94   | 99   | 1.73        | F1/F2         | Mode6                |
| 12V Series     |             |               |                |      |      |      |             |               |                      |
| BT-12M1.3AT    | 12          | 1.3           | 98             | 43   | 52   | 57   | 0.54        | F00           | Mode2                |
| BT-12M2.2AT    | 12          | 2.2           | 179            | 36   | 61   | 66   | 0.86        | F00           | Mode6                |
| BT-12M2.3AC    | 12          | 2.3           | 71             | 48   | 98   | 104  | 0.81        | F04           | Mode6                |
| BT-12M2.9AC    | 12          | 2.9           | 80             | 56   | 99   | 104  | 1.06        | F01           | Mode3                |
| BT-12M3.3AT    | 12          | 3.3           | 134            | 67   | 61   | 67   | 1.20        | F01           | Mode2                |
| BT-12M3.6AC    | 12          | 3.6           | 134            | 67   | 61   | 67   | 1.30        | F01           | Mode2                |
| BT-12M4.0AC    | 12          | 4.0           | 91             | 70   | 102  | 107  | 1.44        | F1/F2         | Mode6                |
| BT-12M4.5AC    | 12          | 4.5           | 91             | 70   | 102  | 107  | 1.46        | F1/F2         | Mode6                |
| BT-12M5.0AC    | 12          | 5.0           | 91             | 70   | 102  | 107  | 1.51        | F1/F2         | Mode6                |
| BT-12M7.0AT    | 12          | 7.0           | 151            | 65   | 93.5 | 99.5 | 2.04        | F1/F2         | Mode1                |
| BT-12M7.2AC    | 12          | 7.2           | 151            | 65   | 93.5 | 99.5 | 2.10        | F1/F2         | Mode1                |
| BT-12M7.5AC    | 12          | 7.5           | 151            | 65   | 93.5 | 99.5 | 2.15        | F1/F2         | Mode1                |
| BT-12M8.0AC    | 12          | 8.0           | 151            | 65   | 93.5 | 99.5 | 2.30        | F1/F2         | Mode1                |
| BT-12M9.0AC    | 12          | 9.0           | 151            | 65   | 93.5 | 99.5 | 2.55        | F1/F2         | Mode1                |
| BT-12M10AC     | 12          | 10            | 151            | 98   | 95   | 100  | 3.15        | F1/F2         | Mode1                |
| BT-12M12AC     | 12          | 12            | 151            | 98   | 95   | 100  | 3.45        | F1/F2         | Mode1                |
| BT-12M14AC     | 12          | 14            | 151            | 98   | 95   | 100  | 3.90        | F1/F2         | Mode1                |
| BT-12M18AC     | 12          | 18            | 182            | 77   | 166  | 166  | 5.10        | F13/F14/T03   | Mode3                |
| BT-12M20AC     | 12          | 20            | 182            | 77   | 166  | 166  | 5.60        | F13/F14/T03   | Mode3                |
| BT-12M24AT (W) | 12          | 24            | 166            | 175  | 125  | 125  | 7.40        | F13/F14/T04   | Mode3                |
| BT-12M24AT (L) | 12          | 24            | 166            | 126  | 174  | 174  | 7.45        | F13/F14/T05   | Mode3                |
| BT-12M28AC (W) | 12          | 28            | 166            | 175  | 125  | 125  | 8.00        | F13/F14/T04   | Mode3                |
| BT-12M28AC (L) | 12          | 28            | 166            | 126  | 174  | 174  | 8.00        | F13/F14/T05   | Mode3                |

## General Purpose Battery

### AGM Series

AGM Stationary 6V/8V/12V/2V series batteries adopt advanced AGM valve regulated technology, high purity raw material and special alloys for grid. They have longer service life both in floating service and cyclic service than AGM small size batteries. They are widely used for backup purpose.



#### Features

- Capacity range  
33~3000ah
- Voltage  
6V,12V,2V
- Low self-discharge rate  
≤2% per month
- High oxygen recombination efficiency  
≥98%
- Design lifetime in standby application at 25°C  
12-15 years
- Wide operation temperature range  
0°C~40°C

#### Applications

- DC power supply
- UPS/EPS power supply
- Medical equipments
- Telecom stations and power stations

## Specifications

| Model         | Voltage (V) | Capacity (AH) | Dimension (mm) |     |     |     | Weight (kg) | Terminal Type | Terminal Arrangement |
|---------------|-------------|---------------|----------------|-----|-----|-----|-------------|---------------|----------------------|
|               |             |               | L              | W   | H   | TH  |             |               |                      |
| 6V Series     |             |               |                |     |     |     |             |               |                      |
| BT-HSE-36-6   | 6           | 36            | 162            | 89  | 163 | 175 | 5.55        | F10           | Mode5                |
| BT-HSE-150-6  | 6           | 150           | 260            | 180 | 246 | 252 | 25.50       | T24           | Mode5                |
| BT-HSE-160-6  | 6           | 160           | 299            | 172 | 227 | 231 | 25.70       | T54           | Mode4                |
| BT-HSE-180-6  | 6           | 180           | 306            | 168 | 220 | 226 | 27.60       | T18           | Mode5                |
| BT-HSE-200-6  | 6           | 200           | 322            | 178 | 225 | 231 | 30.00       | T18           | Mode4                |
| BT-HSE-225-6  | 6           | 225           | 260            | 180 | 265 | 271 | 31.50       | T24           | Mode5                |
| 12V Series    |             |               |                |     |     |     |             |               |                      |
| BT-12M33AC    | 12          | 33            | 196            | 130 | 154 | 166 | 10.00       | T20           | Mode6                |
| BT-HSE-40-12  | 12          | 40            | 197            | 165 | 169 | 169 | 12.20       | T68           | Mode3                |
| BT-HSE-45-12  | 12          | 45            | 197            | 165 | 169 | 169 | 13.50       | T68           | Mode3                |
| BT-HSE-50-12  | 12          | 50            | 230            | 140 | 207 | 211 | 15.00       | T25           | Mode6                |
| BT-HSE-55-12  | 12          | 55            | 230            | 140 | 207 | 211 | 16.30       | T25           | Mode6                |
| BT-HSE-65-12  | 12          | 65            | 350            | 167 | 173 | 173 | 19.70       | T11           | Mode3                |
| BT-HSE-70-12  | 12          | 70            | 260            | 168 | 212 | 216 | 22.00       | T12           | Mode6                |
| BT-HSE-80-12  | 12          | 80            | 333            | 173 | 216 | 223 | 25.50       | T13           | Mode6                |
| BT-HSE-90-12  | 12          | 90            | 307            | 168 | 211 | 215 | 26.50       | T25           | Mode6                |
| BT-HSE-100-12 | 12          | 100           | 333            | 173 | 216 | 223 | 30.00       | T13           | Mode6                |
| BT-HSE-120-12 | 12          | 120           | 406            | 173 | 209 | 237 | 35.40       | T22           | Mode6                |
| BT-HSE-135-12 | 12          | 135           | 341            | 172 | 281 | 287 | 42.40       | T18           | Mode6                |
| BT-HSE-150-12 | 12          | 150           | 485            | 170 | 240 | 240 | 43.50       | T23           | Mode6                |
| BT-HSE-160-12 | 12          | 160           | 534            | 206 | 215 | 219 | 50.00       | T19           | Mode2                |
| BT-HSE-180-12 | 12          | 180           | 523            | 239 | 218 | 222 | 56.50       | T41           | Mode2                |
| BT-HSE-200-12 | 12          | 200           | 523            | 239 | 218 | 222 | 60.50       | T41           | Mode2                |
| BT-HSE-220-12 | 12          | 220           | 520            | 268 | 220 | 224 | 67.00       | T24           | Mode2                |
| BT-HSE-250-12 | 12          | 250           | 520            | 268 | 220 | 224 | 73.00       | T24           | Mode2                |
| 2V Series     |             |               |                |     |     |     |             |               |                      |
| BT-MSE-100    | 2           | 100           | 171            | 72  | 205 | 214 | 5.80        | T15           | Mode4                |
| BT-MSE-200    | 2           | 200           | 172            | 111 | 329 | 365 | 13.10       | T38           | Mode7                |
| BT-MSE-300    | 2           | 300           | 171            | 151 | 334 | 365 | 18.80       | T38           | Mode7                |
| BT-MSE-400    | 2           | 400           | 211            | 175 | 328 | 365 | 25.40       | T38           | Mode8                |
| BT-MSE-500    | 2           | 500           | 242            | 174 | 329 | 365 | 30.90       | T38           | Mode8                |
| BT-MSE-600    | 2           | 600           | 302            | 176 | 330 | 365 | 36.60       | T38           | Mode8                |
| BT-MSE-800    | 2           | 800           | 410            | 176 | 330 | 365 | 49.00       | T38           | Mode9                |
| BT-MSE-1000   | 2           | 1000          | 475            | 175 | 329 | 365 | 60.50       | T38           | Mode9                |
| BT-MSE-1500   | 2           | 1500          | 401            | 351 | 342 | 383 | 93.00       | T38           | Mode10               |
| BT-MSE-2000   | 2           | 2000          | 490            | 350 | 345 | 383 | 1230        | T38           | Mode11               |
| BT-MSE-3000   | 2           | 3000          | 710            | 353 | 343 | 382 | 188.0       | T38           | Mode11               |



## Deep Cycle Battery AGM Series

AGM deep cycle series batteries adopt advanced AGM valve regulated technology, high purity raw material, thick plate design, special grid alloy and paste formula, high temperature curing technology and low acid density. They have excellent recovery performance from deep discharge and widely used for frequent deep discharge cyclic applications.



### Features

- Capacity range  
4.0~28ah
- Voltage  
6V,12V
- Low self-discharge rate  
≤3% per month
- High oxygen recombination efficiency  
≥98%
- Design lifetime in standby application at 25°C  
8 years
- Wide operation temperature range  
0°C~40°C
- High charging receptivity
- Deep charging recovery ability
- Long cyclic lifetime in cyclic use

### Applications



Electric tools/toys



Solar lighting systems



Electric wheel chairs



Solar/wind energy storage system

## Specifications

| Model         | Voltage (V) | Capacity (AH) | Dimension (mm) |     |      |      | Weight (kg) | Terminal Type | Terminal Arrangement |
|---------------|-------------|---------------|----------------|-----|------|------|-------------|---------------|----------------------|
|               |             |               | L              | W   | H    | TH   |             |               |                      |
| 6V Series     |             |               |                |     |      |      |             |               |                      |
| BT-6M4.0AC    | 6           | 4.0           | 70             | 47  | 100  | 105  | 0.72        | F01IF02       | Mode4                |
| BT-6M4.5AC    | 6           | 4.5           | 70             | 47  | 100  | 105  | 0.74        | F01IF02       | Mode4                |
| BT-6M5.0AT    | 6           | 5.0           | 70             | 47  | 100  | 105  | 0.77        | F01/F02       | Mode4                |
| BT-6M7.0AC    | 6           | 7.0           | 151            | 36  | 93   | 98   | 1.06        | F01IF02       | Mode6                |
| BT-6M10AC     | 6           | 10            | 151            | 51  | 94   | 99   | 1.60        | F01/F02       | Mode6                |
| BT-6M12AC     | 6           | 12            | 151            | 51  | 94   | 99   | 1.73        | F01IF02       | Mode6                |
| 12V Series    |             |               |                |     |      |      |             |               |                      |
| BT-12M4.0AC   | 12          | 4.0           | 91             | 70  | 102  | 107  | 1.44        | F01/F02       | Mode6                |
| BT-12M4.5AC   | 12          | 4.5           | 91             | 70  | 102  | 107  | 1.46        | F01IF02       | Mode6                |
| BT-12M5.0AC   | 12          | 5.0           | 91             | 70  | 102  | 107  | 1.51        | F01/F02       | Mode6                |
| BT-12M7.0AT   | 12          | 7.0           | 151            | 65  | 93.5 | 99.5 | 2.04        | F01/F02       | Mode1                |
| BT-12M7.2AC   | 12          | 7.2           | 151            | 65  | 93.5 | 99.5 | 2.10        | F01IF02       | Mode1                |
| BT-12M7.5AC   | 12          | 7.5           | 151            | 65  | 93.5 | 99.5 | 2.15        | F01/F02       | Mode1                |
| BT-12M8.0AC   | 12          | 8.0           | 151            | 65  | 93.5 | 99.5 | 2.30        | F01IF02       | Mode1                |
| BT-12M9.0AC   | 12          | 9.0           | 151            | 65  | 93.5 | 99.5 | 2.55        | F01IF02       | Mode1                |
| BT-12M10AC    | 12          | 10            | 151            | 98  | 95   | 100  | 3.15        | F01/F02       | Mode1                |
| BT-12M12AC    | 12          | 12            | 151            | 98  | 95   | 100  | 3.45        | F01IF02       | Mode1                |
| BT-12M14AC    | 12          | 14            | 151            | 98  | 95   | 100  | 3.90        | F01IF02       | Mode1                |
| BT-12M18AC    | 12          | 18            | 181            | 76  | 166  | 166  | 5.10        | F13/F14/f03   | Mode3                |
| BT-12M20AC    | 12          | 20            | 181            | 76  | 166  | 166  | 5.60        | F13/F14/f03   | Mode3                |
| BT-12M24AT(W) | 12          | 24            | 166            | 175 | 125  | 125  | 7.40        | F13/F15/f04   | Mode3                |
| BT-12M24AT(L) | 12          | 24            | 166            | 126 | 174  | 174  | 7.45        | F13/F14/f05   | Mode3                |
| BT-12M28AC(W) | 12          | 28            | 166            | 175 | 125  | 125  | 8.00        | F13/F15/f04   | Mode3                |
| BT-12M28AC(L) | 12          | 28            | 166            | 126 | 174  | 174  | 8.00        | F13/F14/f05   | Mode3                |

Deep Cycle Battery

## AGM Series

AGM deep cycle series batteries adopt advanced AGM valve regulated technology, high purity raw material, thick plate design, special grid alloy and paste formula, high-temperature curing technology and low acid density. They have excellent recovery performance from deep discharge and are widely used for frequent deep discharge cyclic application.

**BATEURO**



### Features

- Capacity range  
4~3000ah
- Voltage  
2V,6V,12V
- Low self-discharge rate  
≤3% per month (4.0ah~28ah)  
≤2% per month (33a~3000ah)
- High oxygen recombination efficiency  
≥98%
- Design lifetime in standby application at 25°C  
8 years (1.3~28ah)  
12-15 years (33~3000ah)
- Wide operation temperature range  
0°C~40°C
- High charging receptivity
- Deep charging recovery ability
- Long cyclic lifetime in cyclic use

### Applications

- Electric tools/toys
- Solar lighting systems
- Electric wheel chairs
- Solar/wind energy storage system
- Golf trolleys and golf carts
- Telecom stations and power stations

## Specifications

| Model         | Voltage (V) | Capacity (AH) | Dimension (mm) |     |     |     | Weight (kg) | Terminal Type | Terminal Arrangement |
|---------------|-------------|---------------|----------------|-----|-----|-----|-------------|---------------|----------------------|
|               |             |               | L              | W   | H   | TH  |             |               |                      |
| 6V Series     |             |               |                |     |     |     |             |               |                      |
| BT-HSE-36-6   | 6           | 36            | 162            | 89  | 163 | 175 | 5.55        | F10           | Mode5                |
| BT-HSE-150-6  | 6           | 150           | 260            | 180 | 246 | 252 | 25.50       | T24           | Mode5                |
| BT-HSE-160-6  | 6           | 160           | 299            | 172 | 227 | 231 | 25.70       | T54           | Mode4                |
| BT-HSE-180-6  | 6           | 180           | 306            | 168 | 220 | 226 | 27.60       | T18           | Mode5                |
| BT-HSE-200-6  | 6           | 200           | 322            | 178 | 225 | 231 | 30.00       | T18           | Mode4                |
| BT-HSE-225-6  | 6           | 225           | 260            | 180 | 265 | 271 | 31.50       | T24           | Mode5                |
| 12V Series    |             |               |                |     |     |     |             |               |                      |
| BT-12M33AC    | 12          | 33            | 196            | 130 | 154 | 166 | 10.00       | T20           | Mode6                |
| BT-HSE-40-12  | 12          | 40            | 197            | 165 | 169 | 169 | 12.20       | T68           | Mode3                |
| BT-HSE-45-12  | 12          | 45            | 197            | 165 | 169 | 169 | 13.50       | T68           | Mode3                |
| BT-HSE-50-12  | 12          | 50            | 230            | 140 | 207 | 211 | 15.00       | T25           | Mode6                |
| BT-HSE-55-12  | 12          | 55            | 230            | 140 | 207 | 211 | 16.30       | T25           | Mode6                |
| BT-HSE-65-12  | 12          | 65            | 350            | 167 | 173 | 173 | 19.70       | T11           | Mode3                |
| BT-HSE-70-12  | 12          | 70            | 260            | 168 | 212 | 216 | 22.00       | T12           | Mode6                |
| BT-HSE-80-12  | 12          | 80            | 333            | 173 | 216 | 223 | 25.50       | T13           | Mode6                |
| BT-HSE-90-12  | 12          | 90            | 307            | 168 | 211 | 215 | 26.50       | T25           | Mode6                |
| BT-HSE-100-12 | 12          | 100           | 333            | 173 | 216 | 223 | 30.00       | T13           | Mode6                |
| BT-HSE-120-12 | 12          | 120           | 406            | 173 | 209 | 237 | 35.40       | T22           | Mode6                |
| BT-HSE-135-12 | 12          | 135           | 341            | 172 | 281 | 287 | 42.40       | T18           | Mode6                |
| BT-HSE-150-12 | 12          | 150           | 485            | 170 | 240 | 240 | 43.50       | T23           | Mode6                |
| BT-HSE-160-12 | 12          | 160           | 534            | 206 | 215 | 219 | 50.00       | T19           | Mode2                |
| BT-HSE-180-12 | 12          | 180           | 523            | 239 | 218 | 222 | 56.50       | T41           | Mode2                |
| BT-HSE-200-12 | 12          | 200           | 523            | 239 | 218 | 222 | 60.50       | T41           | Mode2                |
| BT-HSE-220-12 | 12          | 220           | 520            | 268 | 220 | 224 | 67.00       | T24           | Mode2                |
| BT-HSE-250-12 | 12          | 250           | 520            | 268 | 220 | 224 | 73.00       | T24           | Mode2                |
| 2V Series     |             |               |                |     |     |     |             |               |                      |
| BT-MSE-100    | 2           | 100           | 171            | 72  | 205 | 214 | 5.80        | T15           | Mode4                |
| BT-MSE-200    | 2           | 200           | 172            | 111 | 329 | 365 | 13.10       | T38           | Mode7                |
| BT-MSE-300    | 2           | 300           | 171            | 151 | 334 | 365 | 18.80       | T38           | Mode7                |
| BT-MSE-400    | 2           | 400           | 211            | 175 | 328 | 365 | 25.40       | T38           | Mode8                |
| BT-MSE-500    | 2           | 500           | 242            | 174 | 329 | 365 | 30.90       | T38           | Mode8                |
| BT-MSE-600    | 2           | 600           | 302            | 176 | 330 | 365 | 36.60       | T38           | Mode8                |
| BT-MSE-800    | 2           | 800           | 410            | 176 | 330 | 365 | 49.00       | T38           | Mode9                |
| BT-MSE-1000   | 2           | 1000          | 475            | 175 | 329 | 365 | 60.50       | T38           | Mode9                |
| BT-MSE-1500   | 2           | 1500          | 401            | 351 | 342 | 383 | 93.00       | T38           | Mode10               |
| BT-MSE-2000   | 2           | 2000          | 490            | 350 | 345 | 383 | 1230        | T38           | Mode11               |
| BT-MSE-3000   | 2           | 3000          | 710            | 353 | 343 | 382 | 188.0       | T38           | Mode11               |

Deep Cycle Battery

## GEL Series

GEL deep cycle batteries adopt advanced GEL technology, high purity raw material, thick plate design, special grid alloy and paste formula, high-temperature curing technology and low acid density. They have excellent recovery ability from deep discharge. And the unique GEL electrolyte filling technique and excessive amount of gelatinized electrolyte ensure them having good performance at high and low temperature. They are widely used for frequent deep discharge cyclic applications under high or low temperature conditions.

**BATEURO**

### Features

- **Capacity range**  
24~3000ah
- **Voltage**  
2V,6V,12V
- **Low self-discharge rate**  
≤2% per month
- **High oxygen recombination efficiency**  
≥98%
- **Design lifetime in standby application at 25°C**  
15-18 years
- **Wide operation temperature range**  
20°C~+55°C
- **High charging receptivity**
- **Deep charging recovery ability**

### Applications

-  Pumps systems
-  Telecom stations and power stations
-  Solar lighting systems
-  Solar/wind energy storage system

## Specifications

| Model         | Voltage (V) | Capacity (AH) | Dimension (mm) |     |     |     | Weight (kg) | Terminal Type | Terminal Arrangement |
|---------------|-------------|---------------|----------------|-----|-----|-----|-------------|---------------|----------------------|
|               |             |               | L              | W   | H   | TH  |             |               |                      |
| 6V Series     |             |               |                |     |     |     |             |               |                      |
| BT-HSE-36-6   | 6           | 36            | 162            | 89  | 163 | 175 | 5.57        | F10           | Mode5                |
| BT-HSE-150-6  | 6           | 150           | 260            | 180 | 246 | 252 | 26.80       | T24           | Mode5                |
| BT-HSE-160-6  | 6           | 160           | 299            | 172 | 227 | 231 | 26.20       | T54           | Mode4                |
| BT-HSE-180-6  | 6           | 180           | 306            | 168 | 220 | 226 | 28.50       | T18           | Mode5                |
| BT-HSE-200-6  | 6           | 200           | 322            | 178 | 225 | 231 | 30.30       | T18           | Mode4                |
| BT-HSE-225-6  | 6           | 225           | 260            | 180 | 265 | 271 | 31.80       | T24           | Mode5                |
| 12V Series    |             |               |                |     |     |     |             |               |                      |
| BT-12M24AT(W) | 12          | 24            | 166            | 175 | 125 | 125 | 7.45        | F13/F15/T04   | Mode3                |
| BT-12M24AT(L) | 12          | 24            | 166            | 126 | 174 | 174 | 7.50        | F13/F14/T05   | Mode3                |
| BT-12M31AC    | 12          | 31            | 196            | 130 | 154 | 166 | 8.90        | T20           | Mode6                |
| BT-HSE-40-12  | 12          | 40            | 197            | 165 | 169 | 169 | 12.30       | T68           | Mode3                |
| BT-HSE-50-12  | 12          | 50            | 230            | 140 | 207 | 211 | 15.20       | T25           | Mode6                |
| BT-HSE-55-12  | 12          | 55            | 230            | 140 | 207 | 211 | 16.50       | T25           | Mode6                |
| BT-HSE-65-12  | 12          | 65            | 350            | 167 | 173 | 173 | 20.00       | T11           | Mode3                |
| BT-HSE-70-12  | 12          | 70            | 260            | 168 | 212 | 216 | 22.20       | T12           | Mode6                |
| BT-HSE-80-12  | 12          | 80            | 333            | 173 | 216 | 223 | 25.80       | T13           | Mode6                |
| BT-HSE-90-12  | 12          | 90            | 307            | 168 | 211 | 215 | 26.80       | T25           | Mode6                |
| BT-HSE-100-12 | 12          | 100           | 333            | 173 | 216 | 223 | 30.30       | T13           | Mode6                |
| BT-HSE-120-12 | 12          | 120           | 406            | 173 | 209 | 237 | 35.60       | T17           | Mode6                |
| BT-HSE-135-12 | 12          | 140           | 341            | 172 | 281 | 287 | 43.30       | T18           | Mode6                |
| BT-HSE-150-12 | 12          | 150           | 485            | 170 | 240 | 240 | 43.50       | T16           | Mode6                |
| BT-HSE-160-12 | 12          | 160           | 534            | 206 | 215 | 219 | 50.50       | T19           | Mode2                |
| BT-HSE-180-12 | 12          | 180           | 523            | 239 | 218 | 222 | 57.00       | T41           | Mode2                |
| BT-HSE-200-12 | 12          | 200           | 523            | 239 | 218 | 222 | 60.00       | T41           | Mode2                |
| BT-HSE-220-12 | 12          | 220           | 520            | 268 | 220 | 224 | 67.60       | T24           | Mode2                |
| BT-HSE-250-12 | 12          | 250           | 520            | 268 | 220 | 224 | 73.70       | T24           | Mode2                |
| 2V Series     |             |               |                |     |     |     |             |               |                      |
| BT-MSE-100    | 2           | 100           | 171            | 72  | 205 | 214 | 590         | T15           | Mode4                |
| BT-MSE-200    | 2           | 200           | 172            | 111 | 329 | 365 | 13.20       | T38           | Mode7                |
| BT-MSE-300    | 2           | 300           | 171            | 151 | 334 | 365 | 19.00       | T38           | Mode7                |
| BT-MSE-400    | 2           | 400           | 211            | 175 | 328 | 365 | 25.70       | T38           | Mode8                |
| BT-MSE-500    | 2           | 500           | 242            | 174 | 329 | 365 | 31.20       | T38           | Mode8                |
| BT-MSE-600    | 2           | 600           | 302            | 176 | 330 | 365 | 37.00       | T38           | Mode8                |
| BT-MSE-800    | 2           | 800           | 410            | 176 | 330 | 365 | 49.50       | T38           | Mode9                |
| BT-MSE-1000   | 2           | 1000          | 475            | 175 | 329 | 365 | 61.00       | T38           | Mode9                |
| BT-MSE-1500   | 2           | 1500          | 401            | 351 | 342 | 383 | 93.90       | T38           | Mode10               |
| BT-MSE-2000   | 2           | 2000          | 490            | 350 | 345 | 383 | 124.0       | T38           | Mode11               |
| BT-MSE-3000   | 2           | 3000          | 710            | 353 | 343 | 382 | 190.0       | T38           | Mode11               |



## Front Terminal Battery

# AGM Series

AGM front terminal batteries have unique design for easy installation. They adopt advanced AGM valve regulated technology, high purity raw materials and special alloys for grid to have long service life both in floating service and cyclic service. They are ideal for 19 inches and 23 inches standard power cabinet and are widely used in UPS/EPS application, telecom and power station for backup purpose.



### Features

- Capacity range  
50~200 Ah
- Voltage  
12V
- Low self-discharge rate  
≤2% per month
- High oxygen recombination efficiency  
≥98%
- Design lifetime in standby application at 25°C  
12 years
- Wide operation temperature range  
0°C~40°C

### Applications



For standard 19 or 23 inches power cabinets



Network connection equipment of communication system



UPS/EPS, standby power supply

## Specifications

| Model           | Voltage (V) | Capacity (AH) | Dimension (mm) |     |     |     | Weight (kg) | Terminal Type | Terminal Arrangement |
|-----------------|-------------|---------------|----------------|-----|-----|-----|-------------|---------------|----------------------|
|                 |             |               | L              | W   | H   | TH  |             |               |                      |
| 12V Series      |             |               |                |     |     |     |             |               |                      |
| BT-FT-50-12     | 12          | 50            | 291            | 106 | 223 | 231 | 15.5        | T07           | Mode2                |
| BT-FT-55-12     | 12          | 55            | 291            | 106 | 223 | 231 | 16.2        | T07           | Mode2                |
| BT-FT-70-12     | 12          | 70            | 562            | 115 | 187 | 196 | 22.2        | T28           | Mode2                |
| BT-FT-75-12     | 12          | 75            | 562            | 115 | 187 | 196 | 23.5        | T28           | Mode2                |
| BT-FT-80-12     | 12          | 80            | 562            | 115 | 187 | 196 | 24.5        | T28           | Mode2                |
| BT-FT-100-12(A) | 12          | 100           | 410            | 110 | 287 | 295 | 30.5        | T27           | Mode2                |
| BT-FT-100-12(B) | 12          | 100           | 508            | 110 | 224 | 232 | 30.5        | T22           | Mode2                |
| BT-FT-110-12    | 12          | 110           | 395            | 110 | 287 | 287 | 33.0        | T46           | Mode2                |
| BT-FT-120-12    | 12          | 120           | 552            | 110 | 240 | 240 | 35.0        | T28           | Mode2                |
| BT-FT-125-12    | 12          | 125           | 566            | 110 | 288 | 296 | 40.0        | T17           | Mode2                |
| BT-FT-140-12    | 12          | 140           | 566            | 110 | 288 | 296 | 42.5        | T17           | Mode2                |
| BT-FT-150-12(A) | 12          | 150           | 566            | 110 | 288 | 296 | 44.0        | T17           | Mode2                |
| BT-FT-150-12(B) | 12          | 150           | 561            | 125 | 317 | 317 | 46.3        | T28           | Mode2                |
| BT-FT-165-12    | 12          | 165           | 561            | 125 | 317 | 317 | 49.2        | T28           | Mode2                |
| BT-FT-180-12(A) | 12          | 180           | 561            | 125 | 317 | 317 | 54.7        | T28           | Mode2                |
| BT-FT-180-12(8) | 12          | 180           | 561            | 125 | 317 | 317 | 55.5        | T28           | Mode2                |
| BT-FT-200-12    | 12          | 200           | 561            | 125 | 317 | 317 | 58.3        | T28           | Mode2                |



Front Terminal Battery

AGM Series

GEL front terminal batteries not only have unique design for easy installation but also adopt advanced GEL technology, high purity raw material and advanced production technology. The unique GEL electrolyte filling technique and excessive amount of gelatinized electrolyte ensure them having good performance at high and low temperature.



Features

- Capacity range  
50~200 Ah
- Voltage  
12V
- Low self-discharge rate  
≤2% per month
- High oxygen recombination efficiency  
≥98%
- Design lifetime in standby application at 25°C  
15 years
- Wide operation temperature range  
-20°C~+50°C
- High charging receptivity
- Deep discharging recovery ability
- Longer Lifetime in cyclic use than AGM deep cycle battery

Applications



For standard 19 or 23 inches power cabinets



Network connection equipment of communication system



UPS/EPS, standby power supply



Solar/wind energy storage system

Specifications

| Model           | Voltage (V) | Capacity (AH) | Dimension (mm) |     |     |     | Weight (kg) | Terminal Type | Terminal Arrangement |
|-----------------|-------------|---------------|----------------|-----|-----|-----|-------------|---------------|----------------------|
|                 |             |               | L              | W   | H   | TH  |             |               |                      |
| 12V Series      |             |               |                |     |     |     |             |               |                      |
| BT-FT-50-12     | 12          | 50            | 291            | 106 | 223 | 231 | 15.5        | T07           | Mode2                |
| BT-FT-55-12     | 12          | 55            | 291            | 106 | 223 | 231 | 16.4        | T07           | Mode2                |
| BT-FT-70-12     | 12          | 70            | 562            | 115 | 187 | 196 | 22.2        | T28           | Mode2                |
| BT-FT-75-12     | 12          | 75            | 562            | 115 | 187 | 196 | 24.0        | T28           | Mode2                |
| BT-FT-80-12     | 12          | 80            | 562            | 115 | 187 | 196 | 24.7        | T28           | Mode2                |
| BT-FT-100-12(A) | 12          | 100           | 410            | 110 | 287 | 295 | 30.6        | T27           | Mode2                |
| BT-FT-100-12(B) | 12          | 100           | 508            | 110 | 224 | 232 | 30.6        | T22           | Mode2                |
| BT-FT-110-12    | 12          | 110           | 395            | 110 | 287 | 287 | 33.3        | T46           | Mode2                |
| BT-FT-120-12    | 12          | 120           | 552            | 110 | 240 | 240 | 35.2        | T28           | Mode2                |
| BT-FT-125-12    | 12          | 125           | 566            | 110 | 288 | 296 | 40.4        | T17           | Mode2                |
| BT-FT-140-12    | 12          | 140           | 566            | 110 | 288 | 296 | 42.9        | T17           | Mode2                |
| BT-FT-150-12(A) | 12          | 150           | 566            | 110 | 288 | 296 | 44.5        | T17           | Mode2                |
| BT-FT-150-12(B) | 12          | 150           | 561            | 125 | 317 | 317 | 46.8        | T28           | Mode2                |
| BT-FT-165-12    | 12          | 165           | 561            | 125 | 317 | 317 | 49.7        | T28           | Mode2                |
| BT-FT-180-12(A) | 12          | 180           | 561            | 125 | 317 | 317 | 55.2        | T28           | Mode2                |
| BT-FT-180-12(8) | 12          | 180           | 561            | 125 | 317 | 317 | 56.2        | T28           | Mode2                |
| BT-FT-200-12    | 12          | 200           | 561            | 125 | 317 | 317 | 58.9        | T28           | Mode2                |

## High Rate Series

High rate series batteries adopt advanced AGM valve regulated technology, high purity raw material, thin plate design, special grid alloy and paste formula, high-temperature curing technology. They have excellent performance during high current discharge and are suitable for UPS/EPS where high rate discharging is required.



### Features

- Capacity range  
7~250 Ah
- Voltage  
12V
- Low self-discharge rate  
≤3% per month
- High oxygen recombination efficiency  
≥98%
- Design lifetime in standby application at 25°C  
5-8 years
- Wide operation temperature range  
0°C~40°C
- Excellent Performance at high rate  
& power discharging

### Applications

- Electric tools/toys
- Electric wheel chairs
- Starting service
- Emergency power supply
- UPS/EPS (high rate)
- High power backup supply

## Specifications

| Model         | 15 MIN Rate    | Voltage (V) | Capacity (AH) | Dimension (mm) |     |      |      | Weight (kg) | Terminal Type | Terminal Arrangement |
|---------------|----------------|-------------|---------------|----------------|-----|------|------|-------------|---------------|----------------------|
|               |                |             |               | L              | W   | H    | TH   |             |               |                      |
| 12V Series    |                |             |               |                |     |      |      |             |               |                      |
| BT-12M7.0AT   | 12V32W@15MIN   | 12          | 8             | 151            | 65  | 93.5 | 99.5 | 2.32        | F02           | Mode1                |
| BT-12M7.0AT   | 12V40W@15MIN   | 12          | 9             | 151            | 65  | 93.5 | 99.5 | 2.55        | F02           | Mode1                |
| BT-12M12AC    | 12V52W@15MIN   | 12          | 14            | 151            | 98  | 95   | 100  | 3.95        | F02           | Mode1                |
| BT-12M12AC    | 12V58W@15MIN   | 12          | 15            | 151            | 98  | 95   | 100  | 4.14        | F02           | Mode1                |
| BT-12M18AC    | 12V72W@15MIN   | 12          | 22            | 181            | 76  | 166  | 166  | 5.90        | T03           | Mode3                |
| BT-12M24AT(W) | 12V120W@15MIN  | 12          | 30            | 166            | 175 | 125  | 125  | 9.00        | T04           | Mode3                |
| BT-12M24AT(L) | 12V100W@15MIN  | 12          | 28            | 166            | 126 | 174  | 174  | 8.50        | T05           | Mode3                |
| BT-12M31AC    | 12V125W@15MIN  | 12          | 33            | 196            | 130 | 154  | 166  | 10.0        | T20           | Mode6                |
| BT-HSE-36-12  | 12V170W@15MIN  | 12          | 45            | 197            | 165 | 169  | 169  | 13.6        | T68           | Mode3                |
| BT-HSE-55-12  | 12V200W@15MIN  | 12          | 60            | 230            | 140 | 207  | 211  | 18.0        | T25           | Mode6                |
| BT-HSE-65-12  | 12V270W@15MIN  | 12          | 75            | 350            | 167 | 173  | 173  | 22.2        | T11           | Mode3                |
| BT-HSE-70-12  | 12V330W@15MIN  | 12          | 90            | 260            | 168 | 212  | 216  | 25.0        | T59           | Mode6                |
| BT-HSE-90-12  | 12V360W@15MIN  | 12          | 105           | 307            | 168 | 211  | 215  | 28.2        | T60           | Mode6                |
| BT-HSE-100-12 | 12V410W@15MIN  | 12          | 115           | 333            | 173 | 216  | 223  | 31.5        | T61           | Mode6                |
| BT-HSE-120-12 | 12V490W@15MIN  | 12          | 140           | 406            | 173 | 209  | 237  | 38.3        | T63           | Mode6                |
| BT-HSE-150-12 | 12V550W@15MIN  | 12          | 170           | 485            | 170 | 240  | 240  | 44.5        | T58           | Mode6                |
| BT-HSE-200-12 | 12V760W@ 5 MIN | 12          | 200           | 523            | 239 | 218  | 222  | 64.1        | T64           | Mode2                |
| BT-HSE-250-12 | 12V800W@15MIN  | 12          | 270           | 520            | 268 | 220  | 224  | 73.5        | T65           | Mode2                |

## EV Battery

EV batteries are specially designed for frequent high current deep discharge. They adopt advanced lead-carbon plate technology, robust plate design, special grid alloy and high-temperature curing technology. They have excellent performance in high load situation with better charging receptivity and longer cyclic life time. It's suitable for mobility scooters, electric wheel chairs, automatic scrubber and golf buggies, etc.



### Features

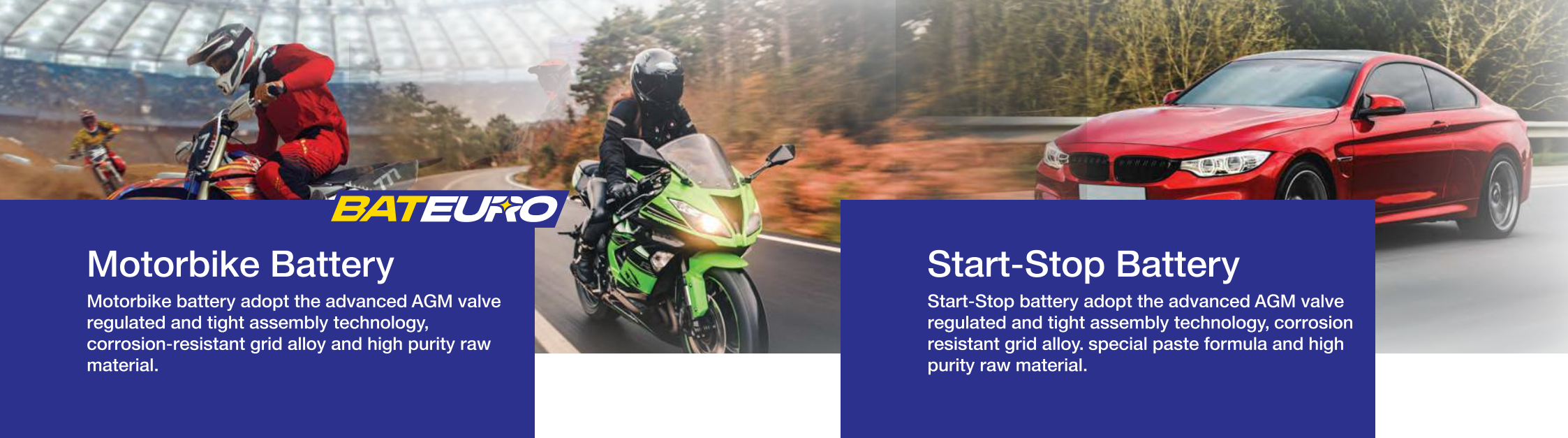
- Capacity range  
100~300 Ah
- Voltage  
12V,8V,6V
- Low self-discharge rate  
≤3% per month
- High oxygen recombination efficiency  
≥98%
- Wide operation temperature range  
-20℃~+50℃
- High charging receptivity
- More than 300 cycles at 100% DOD

### Applications

- Electric tools
- Golf trolleys and golf carts
- Electric wheel chairs
- Electric forklifts

## Specifications

| Model         | Voltage (V) | Capacity (AH) | Dimension (mm) |     |     |     | Weight (kg) | Terminal Type | Terminal Arrangement |
|---------------|-------------|---------------|----------------|-----|-----|-----|-------------|---------------|----------------------|
|               |             |               | L              | W   | H   | TH  |             |               |                      |
| BT-HSE-100-12 | 12          | 100           | 333            | 173 | 216 | 223 | 32.0        | T13           | Mode6                |
| BT-HSE-120-12 | 12          | 120           | 406            | 174 | 213 | 217 | 36.5        | T22           | Mode6                |
| BT-HSE-160-8  | 8           | 160           | 260            | 182 | 267 | 271 | 32.6        | T24           | Mode6                |
| BT-HSE-180-8  | 8           | 180           | 260            | 182 | 295 | 299 | 34.3        | T55           | Mode6                |
| BT-HSE-150-6  | 6           | 150           | 260            | 180 | 246 | 252 | 26.8        | T24           | Mode5                |
| BT-HSE-160-6  | 6           | 160           | 299            | 172 | 227 | 231 | 26.2        | T54           | Mode4                |
| BT-HSE-180-6  | 6           | 180           | 306            | 168 | 220 | 226 | 27.4        | T18           | Mode5                |
| BT-HSE-200-6  | 6           | 200           | 322            | 178 | 225 | 231 | 30.0        | T18           | Mode4                |
| BT-HSE-225-6  | 6           | 225           | 260            | 180 | 265 | 271 | 31.8        | T24           | Mode5                |
| BT-HSE-280-6  | 6           | 280           | 295            | 178 | 346 | 350 | 44.9        | T31           | Mode5                |
| BT-HSE-300-6  | 6           | 300           | 295            | 178 | 346 | 350 | 47.7        | T31           | Mode5                |



## Motorbike Battery

Motorbike battery adopt the advanced AGM valve regulated and tight assembly technology, corrosion-resistant grid alloy and high purity raw material.

## Start-Stop Battery

Start-Stop battery adopt the advanced AGM valve regulated and tight assembly technology, corrosion resistant grid alloy, special paste formula and high purity raw material.

### Features

- Low Self-discharge
- High capacity, long life
- Maintenance-free design
- High CCA and good starting performance



### Specifications

| Model      | Voltage (V) | Rate Capacity (20HR) | CCA -18°C | Dimension (mm) |    |      | Weight ±2% (kg) | Terminal Shape | Terminal Arrangement |
|------------|-------------|----------------------|-----------|----------------|----|------|-----------------|----------------|----------------------|
|            |             |                      |           | L              | W  | H    |                 |                |                      |
| 6N4-8S     | 6           | 4.0                  | -         | 85             | 72 | 93   | 0.63            |                | Model 4              |
| 12N2.5-BS  | 12          | 2.5                  | 25        | 80             | 77 | 104  | 1.11            |                | Model 3              |
| 12N13-BS   | 12          | 4.0                  | 30        | 99             | 56 | 109  | 1.30            |                | Model 3              |
| YTX4L-BS   | 12          | 3.0                  | 40        | 113            | 69 | 89   | 1.35            |                | Model 3              |
| YT25-8S    | 12          | 4.0                  | 40        | 113            | 69 | 86   | 1.35            |                | Model 3              |
| YTX5L-BS   | 12          | 5.0                  | 50        | 113            | 69 | 107  | 1.75            |                | Model 3              |
| 1 2N5B-BS  | 12          | 5.0                  | 50        | 119            | 60 | 128  | 1.77            |                | Model 3              |
| 12N6.5-BS  | 12          | 6.5                  | 65        | 137            | 66 | 101  | 1.95            |                | Model 3              |
| YTX7L-BS   | 12          | 7.0                  | 70        | 113            | 69 | 132  | 2.20            |                | Model 3              |
| 12- N7B-BS | 1.2         | 7.0                  | 70        | 149            | 60 | 1:2a | 2.18            |                | Model 3              |
| 12N7A-BS   | 12          | 7.0                  | 70        | 137            | 77 | 123  | 2.58            |                | Model 6              |
| YTX7A-BS   | 12          | 7.0                  | 70        | 150            | 85 | 93   | 2.48            |                | Model 6              |
| YTX9A-8S   | 12          | 8.0                  | 80        | 150            | 85 | 107  | 2.70            |                | Model 6              |
| 12N9A-BS   | 12          | 9.0                  | 85        | 137            | 77 | 135  | 2.79            |                | Model 6              |

### Features

- Longlife
- Low self-discharge
- Maintenance-free design
- High CCA and good starting performance

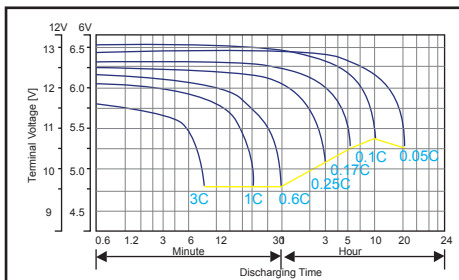


### Specifications

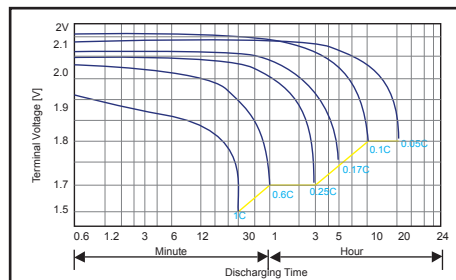
| Model     | Voltage (V) | Rate Capacity (20HR) | Reserve Capacity (min) | CCA -18°C | Dimension (mm) |     |     |     | Weight ±2% (kg) | Layout L/R | Terminal Dimension |
|-----------|-------------|----------------------|------------------------|-----------|----------------|-----|-----|-----|-----------------|------------|--------------------|
|           |             |                      |                        |           | L              | W   | H   | TH  |                 |            |                    |
| 6-QTF-60  | 12          | 60                   | 100                    | 600       | 246            | 175 | 190 | 190 | 17.5            | R          | 19.5/17.9          |
| 6-QTF-70  | 12          | 70                   | 120                    | 700       | 278            | 175 | 190 | 190 | 20.3            | R          | 19.5/17.9          |
| 6-QTF-80  | 12          | 75                   | 140                    | 750       | 315            | 175 | 190 | 190 | 22.8            | R          | 19.5/17.9          |
| 6-QTF-90  | 12          | 85                   | 160                    | 850       | 352            | 175 | 190 | 190 | 26.2            | R          | 19.5/17.9          |
| 6-QTF-100 | 12          | 95                   | 190                    | 950       | 394            | 175 | 190 | 190 | 28.5            | R          | 19.5/17.9          |

## Discharging

For 6V/12V Battery

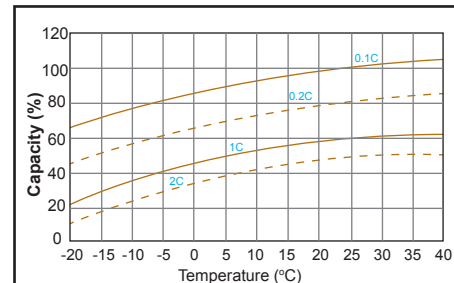


For 2V Battery

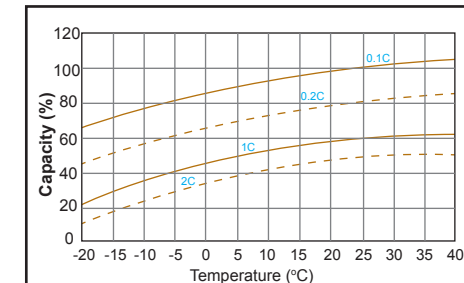


## The Relation Curve Between Capacity and Temperature

For AGM Series Battery

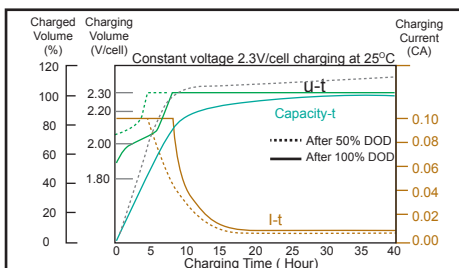


For GEL Series Battery

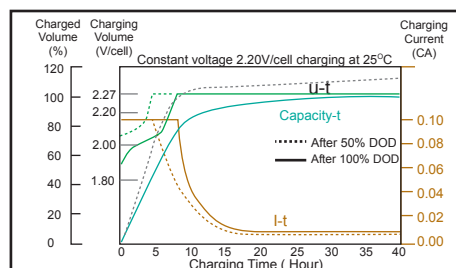


## Charging Curve

For 6V/8V/12V Battery

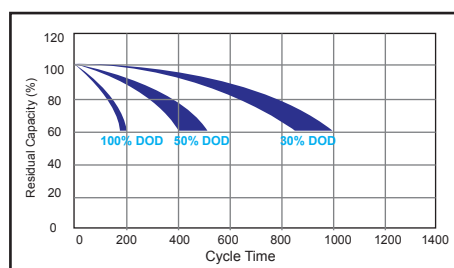


For 2V Battery

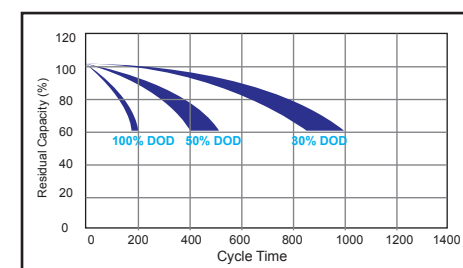


## Lifetime Curve

For AGM Series 6V/8V/12V Battery

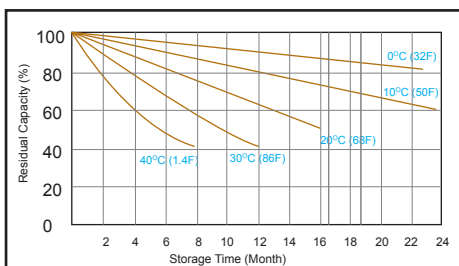


For AGM Series 2V Battery

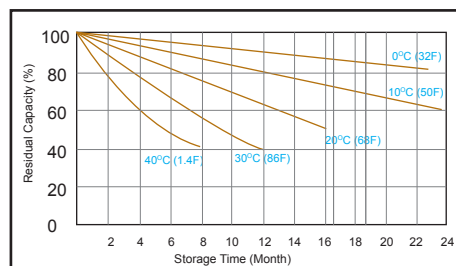


## Storage Characteristics

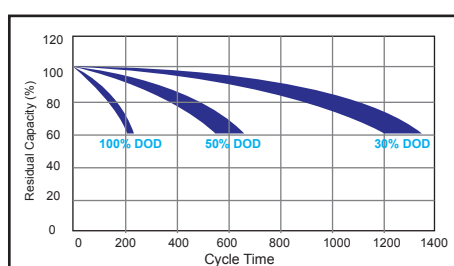
For AGM Series Battery



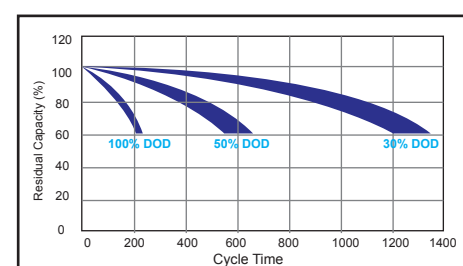
For GEL Series Battery



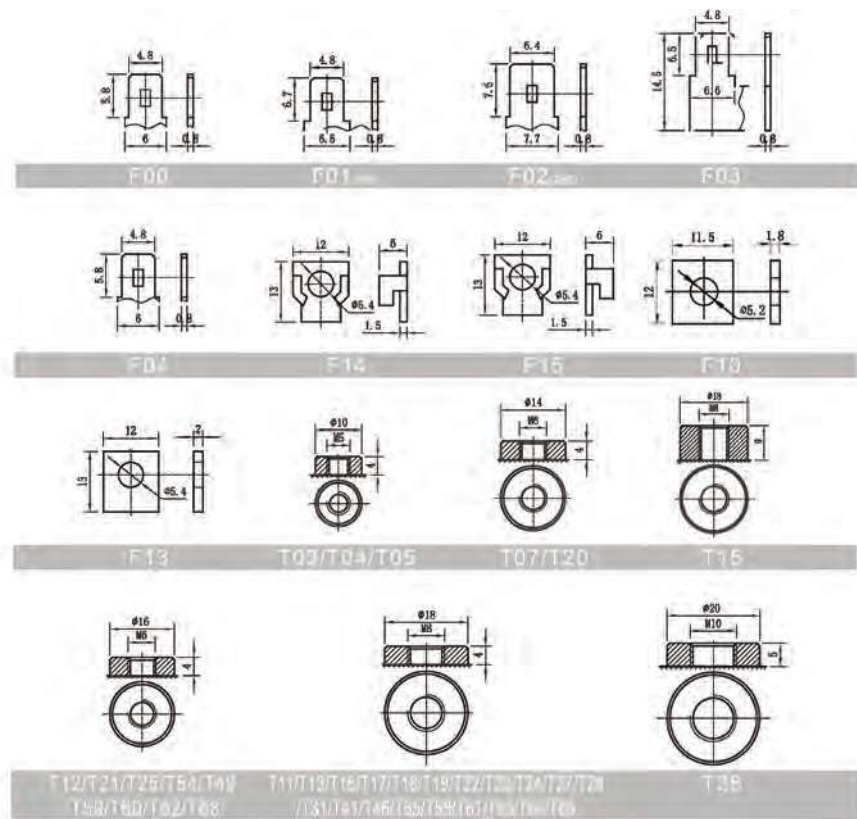
For GEL Series 6V/8V/12V Battery



For GEL Series 2V Battery

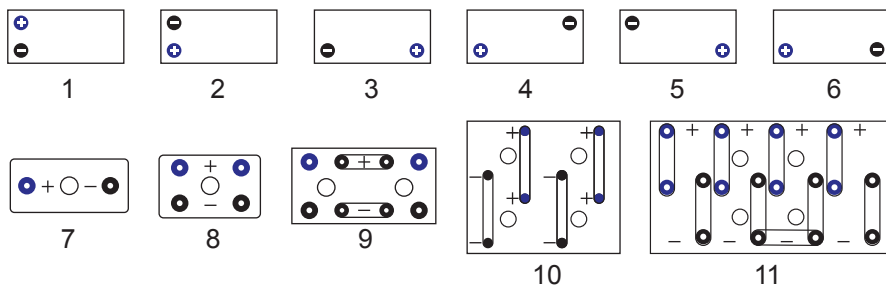


## Terminal Type



Note: M5: 4-5N.m ; M6: 4.5-7N.m ; M8/M10: 12-19N.m

## Terminal Arrangement



## Handling Instruction

### Storage and refresh charge

- During storage, the capacity of battery decrease due to self-discharging. Store the battery in a cool, dry place. When monthly average temperature exceeds 25°C but below 30°C, carry out supplementary charging every 3 months. When the monthly average temperature falls below 20°C, carry out supplementary charging every 6 months.
- When using a stored battery, always carry out supplementary charging before use.
- Charge battery in a well-ventilated environment as the battery will generated flammable gas, which may cause explosion easily in contact with fire.
- Charging parameters

For Standby Use (At 25°C)

| BATTERY     | Model                        | Voltage         | Initial Charging Current | Temperature Coefficient |
|-------------|------------------------------|-----------------|--------------------------|-------------------------|
| AGM Battery | 12V/8V/6V/4V Series/ 2V100AH | 2.27~2.30V/Cell | 0.25C                    | -3mv/°C                 |
|             | 2V Series                    | 2.26~2.28V/Cell | 0.20C                    | -3mv/°C                 |
| GEL Battery | 12V/6V Series/2V100H         | 2.27~2.30V/Cell | 0.20C                    | -3mv/°C                 |
|             | 2V Series                    | 2.26~2.28V/Cell | 0.15C                    | -3mv/°C                 |

For Cycle Use (At 25°C)

| BATTERY     | Model                        | Voltage         | Initial Charging Current | Temperature Coefficient |
|-------------|------------------------------|-----------------|--------------------------|-------------------------|
| AGM Battery | 12V/8V/6V/4V Series/ 2V100AH | 2.35~2.40V/Cell | 0.25C                    | -5mv/°C                 |
|             | 2V Series                    | 2.30~2.35V/Cell | 0.20C                    | -5mv/°C                 |
| GEL Battery | 12V/6V Series/2V100H         | 2.35~2.40V/Cell | 0.20C                    | -5mv/°C                 |
|             | 2V Series                    | 2.30~2.35V/Cell | 0.15C                    | -5mv/°C                 |

### Installation

- Do not use a battery if it is cracked or acid-leakage.
- Do not install a battery in upside-down position.
- Do not install a battery in the place close to flame or excess heat.
- Do not series connect more than 32 pieces batteries in a single or parallel connect more than 4 strings.
- Connect the battery terminal and cable firmly.

### Transportation

- When transporting the battery, never vibrate or impact it excessively.
- Please always transport the battery in an upright position.

### Daily inspection and servicing

- When the following abnormalities are observed, discover the cause and re place any defective batteries:
  - Any voltage abnormalities
  - Any physical defects
  - Any electrolyte leakage
  - Any abnormal heat generation (e.g., a cracked or deformed container)
- Clean any dust contamination with a wet cloth. Never use organic solvents (e.g., gasoline or thinner). Otherwise the container or cover may develop cracks.

**BATEURO**

