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AOKLY
Series Battery



VRLA Battery

**Aokly Power
Driving The Bright Future.**



Sales Network



**VALVE REGULATED
LEAD ACID BATTERY**



Company Profile

Yingde Aokly Power Co., Ltd was established on base of former Guangdong Zeliang Storage Battery Co., Ltd since 1996. In 2008, for the realization of enterprise globalization strategy, and to further improve the overseas market share, the area of Aokly Power has been expanded by 333,500m² more in Yingde Huaqiao Industrial Zone, and total investment capital amount is over 1 Billion RMB. Aokly Power has established modern production base and updated its name to Yingde Aokly Power Co., Ltd since 2008. There are 4 production bases in Aokly Power. Production Base No.1 and No.2, former Guangdong Zeliang Storage Battery Co., Ltd. Located in Yingyuan industrial zone, Qingyuan city, Guangdong province. Production Base No.3, Hongshu Battery Yingde Co., Ltd. Located in Yingde city, Guangdong province. Production Base No.4 located in Huaqiao industrial zone, Yingde city.

With 20 years' experience in Lead Acid battery industry, Yingde Aokly Power Co., Ltd is currently one of the largest enterprises of storage battery for research and development, production and sales. It mainly produces Fixed Valve Regulated Lead Acid battery, small sized VRLA battery, Golf cart battery, Electric vehicle battery, Starting lead acid storage battery. Aokly Power has over 90 experienced researchers, technicians and managing talents, and importing the most advanced automatic production equipment as well as testing equipment. Furthermore, fully automatic production lines for producing sealed maintenance free storage battery have been in regular operation. Aokly Power imported the automatic machinery from Canada Teck(British TBS), Italy Sovema, Korea Moojin service, Germany Digator, which are most top advanced in the world. Aokly power present annual capacity can reach 5 Million KVAH and 80K pcs VRLA battery a month .

The product adopts unique producing technology according to perfect quality-control system to arrange production and have respectively passed ISO9001 & ISO 14001 approval in national quality control system and environment system. Meanwhile it gain title national inspection-free product, furthermore be approved by UL, CE, ROHS and the complete IEC60095 testing etc. The battery are widely used in Uninterruptible Power Supplies (UPS), Electric Tools, Medical Equipment, Emergency lighting system, Control System, Communication System, Electric Power System, Solar Power system, Wind Power system, Automobile, Electric vehicle, Golf cart, Tourist Car, Farming Vehicles, etc. They have been sold well both at domestic and overseas market. More than 60 % of sale is for overseas market. In domestic market, we have set up dozens of branches in China to ensure timely service to our customers.

Aokly Power has been always taking a objective that seek best on quality, chase develop on sincerity to create diamond brand in field of Chinese storage battery with top quality and service.



Office building



Production Base No.1/2/3/4



Factory Review



Production Capacity



**PRODUCTION
BASE:
333,500
SQM**

One of the largest manufacturing bases
Of storage battery in the south china

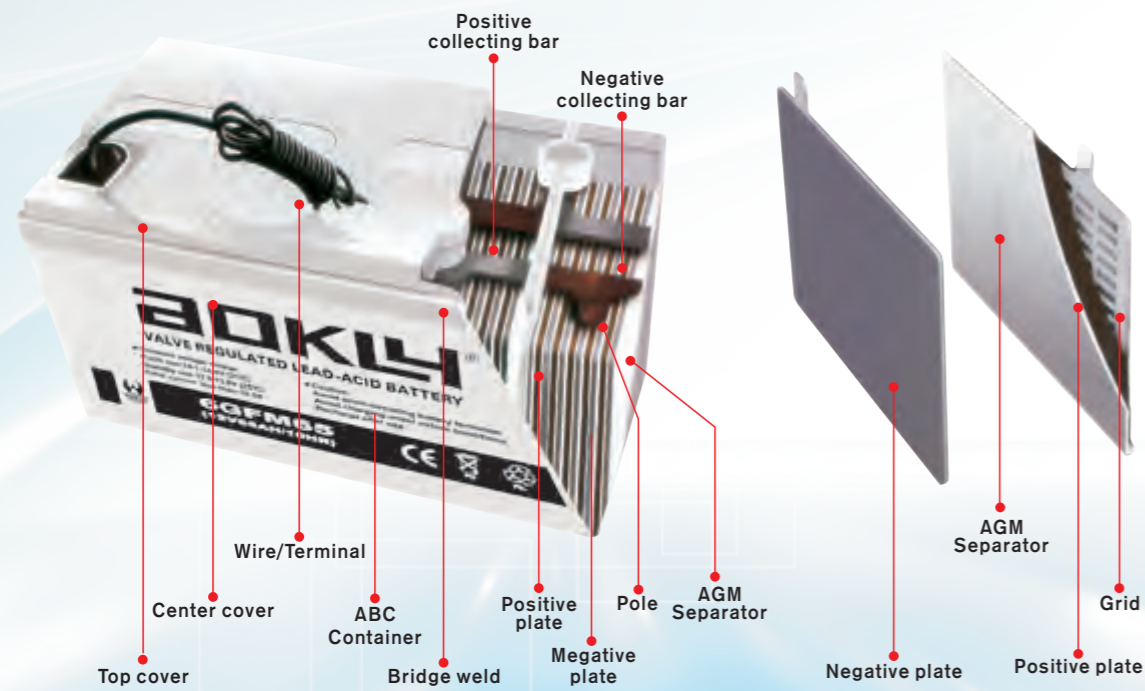


Details determine quality.
Quality is our character.

Aokly people know the power of technology, regard 20 years as one day and spur with long accumulation. Preparing for every exceed power to continually develop its quality, promote the continuous development of company. Aokly possesses a professional R&D force, with more than 20 technicians, including 5 senior engineers with 35 years experiences more on lead acid battery. Aokly choose impeccable quality control systems, with a strong research teams, strict management systems for many process such as raw and auxiliary material purchasing, product promotion, production, inspection and so on. All the products will be inspected by the company or clients standard before delivery. We not only do our best to provide high quality product but also provide timely and thoughtful service supporting for customer.



Features



1. Adopting low-calcium&high-tin alloy grid, high anti-corrosive performance, lower battery gas evolution;
2. With special lead paste formula, our batteries have good endurance cycle capability and charging acceptance and strong deep cycle good recovery performance after deep cycle use recover ability;
3. The fumed silica that is adopted as the key raw material of gel electrolyte is produced in Germany;
4. Batteries have long service life, good deep discharging cycle capability;
5. Gel batteries have better heat dissipation than AGM sealed batteries, reduced the possibility of not easy to have thermal runaway;
6. The self-discharge rate gel batteries is less than 1%/month;
7. The uniform part of gel battery electrolyte inside battery equally distributed has no layering phenomenon and the electrolyte is not readily not easy to dry up;
8. Battery producing adopts high purity raw material, advanced manufacturing equipment to ensure battery performance stability and consistency;
9. Battery electrolyte contains silica solludox, so there is no dissociative acid or layering phenomenon inside, ensuring the good low temperature performance and service life of batteries;
10. Battery the design life of standby use life of batteries at 25°C is over 10 years.

Terminal Drawing

| Faston Tab | | | | | | |
|------------|------|------|------|------|------|------|
| Type | A | B | C | D | M | N |
| | mm | mm | mm | mm | mm | mm |
| F1 | 4.75 | 6.35 | 3.15 | 0.80 | 2.30 | 1.30 |
| F2 | 6.35 | 7.80 | 3.40 | 0.80 | 2.50 | 1.50 |

| L size terminal | | | | |
|-----------------|----|----|----|-----|
| Type | Φ | D | L | H |
| | mm | mm | mm | mm |
| F16 | 4 | 2 | 8 | 3.5 |
| F17 | 6 | 3 | 14 | 5.7 |
| F18 | 18 | 5 | 8 | 8 |
| F19 | 12 | 2 | 12 | 12 |

| Cooper terminal | | | |
|-----------------|----|----|----|
| Type | Φ | B | M |
| | mm | mm | mm |
| F3 | 16 | 3 | 6 |
| F4 | 16 | 5 | 6 |
| F5 | 16 | 5 | 8 |
| F6 | 18 | 5 | 8 |
| F7 | 20 | 5 | 8 |

| Front terminal | | |
|----------------|----|------|
| Type | M | L |
| | mm | mm |
| F20 | 8 | 11.3 |

| Lead terminal | | | | | | |
|---------------|------|-------|------|-------|-------|-------|
| Type | A±1 | B±0.5 | C±1 | D±0.5 | E±0.2 | F±0.2 |
| | mm | mm | mm | mm | mm | mm |
| F8 | 22.5 | 6.6 | 21.0 | 12.0 | 8.1 | 8.3 |
| F9 | 26.6 | 8.0 | 22.5 | 10.5 | 7.8 | 8.8 |
| F10 | 26.4 | 8.2 | 19.5 | 9.2 | 8.0 | 9.2 |
| F11 | 27.0 | 8.3 | 25.5 | 12.0 | 9.0 | 9.8 |
| F12 | 19.0 | 16.0 | 24.0 | 11.5 | 9.0 | 9.8 |
| F13 | 17.0 | 7.0 | 25.5 | 12.0 | 9.0 | 9.8 |
| F14 | 18.0 | 6.0 | 24.0 | 11.5 | 9.0 | 9.8 |
| F15 | 20.0 | 7.0 | 16.0 | 7.0 | 6.8 | 6.0 |

VRLA Battery



Series

Summary

FM series is the general purpose battery with 5 years design life for float service. It meets IEC standards. With updated AGM valve regulated technology and high-purity raw materials, the battery has reliable standby service life.

It is suitable for UPS/EPS, medical equipment, emergency light and security systems .

Product Features

- ⚡ Capacity range:1.2Ah-26Ah
- ⚡ Voltage class:6v/12v
- ⚡ Long design life(25°C):5 years
- ⚡ Low self-discharge rate: ≤3%/month
- ⚡ Good high rate discharge performance
- ⚡ High sealed reaction efficiency:≥99%
- ⚡ Wide operation temperature: -20°C~60°C
- ⚡ Structure:compact design,shorter internal connectors between cells, thus low internal resistance
- ⚡ Plate:Pasted flat type
- ⚡ Terminal:two or more types terminals are available
- ⚡ Separator:using improved AGM separator, makes low internal resistance & high assembling pressure to increase cycle life;
- ⚡ Battery case:made of high strength ABS(UL94-HB)and UL94-V0 is optional;
- ⚡ Terminal sealing:double sealing technic (mechanical +epoxy glue).



FM Series Application

- Small UPS
- Emergency Light
- Security System
- Toys
- Medical



12Voltage FM Series Battery Range Specifications

| NO. | ITEMS | VOLTAGE | CAPACITY | DIMENSION(mm) | | | | GROSS WEIGHT | TERMINAL |
|-----|----------|---------|----------|---------------|-------|--------|--------------|--------------|----------|
| | NO | VOLT | AH/20HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | 3-FM-1.2 | 6 | 1.2 | 97 | 24 | 50 | 55 | 0.29 | F1 |
| 2 | 3-FM-3.2 | 6 | 3 | 134 | 35 | 60 | 65 | 0.65 | F1 |
| 3 | 3-FM-4 | 6 | 4 | 70 | 47 | 102 | 107 | 0.63 | F1 |
| 4 | 3-FM-4.5 | 6 | 4.5 | 70 | 47 | 102 | 107 | 0.82 | F1 |
| 5 | 3-FM-7 | 6 | 7 | 151 | 34 | 95 | 100 | 1.1 | F1 |
| 6 | 3-FM-10 | 6 | 10 | 151 | 34 | 95 | 100 | 1.52 | F1 |
| 7 | 3-FM-12 | 6 | 12 | 151 | 50 | 95 | 100 | 1.75 | F1 |
| 8 | 6-FM-1.3 | 12 | 1.3 | 97 | 44 | 51 | 56 | 0.57 | F1 |
| 9 | 6-FM-2.3 | 12 | 2.3 | 97 | 44 | 51 | 56 | 1 | F1 |
| 10 | 6-FM-3.3 | 12 | 3.3 | 97 | 44 | 51 | 56 | 1.35 | F1 |
| 11 | 6-FM-4 | 12 | 4 | 90 | 70 | 102 | 107 | 1.53 | F1 |
| 12 | 6-FM-4.5 | 12 | 4.5 | 90 | 70 | 102 | 107 | 1.65 | F1 |
| 13 | 6-FM-7 | 12 | 7 | 152 | 65 | 95 | 100 | 2 | F1/F2 |
| 14 | 6-FM-9 | 12 | 9 | 152 | 65 | 95 | 100 | 2.45 | F2 |
| 15 | 6-FM-10 | 12 | 10 | 152 | 65 | 113 | 118 | 3.1 | F1/F2 |
| 16 | 6-FM-12 | 12 | 12 | 152 | 100 | 97 | 102 | 3.5 | F1/F2 |
| 17 | 6-FM-18 | 12 | 18 | 181 | 77 | 167 | 167 | 5.4 | F13 |
| 18 | 6-FM-20 | 12 | 20 | 181 | 77 | 167 | 167 | 6.1 | F14 |
| 19 | 6-FM-22 | 12 | 22 | 181 | 77 | 167 | 167 | 6.32 | F14 |
| 20 | 6-FM-22 | 12 | 22 | 181 | 77 | 167 | 167 | 6.18 | F14 |
| 21 | 6-FM-24 | 12 | 24 | 183 | 78 | 167 | 167 | 7.15 | F14 |
| 22 | 6-FM-26 | 12 | 26 | 177 | 167 | 126 | 126 | 9.08 | F15 |

VRLA Battery

GFM Series



Summary

GFM series is the general purpose battery with 10 years design life in float service. With up-dated AGM valve regulated technology and high-purity raw materials, the GFM series battery maintains high consistency for better performance and reliable standby service life.

It is suitable for UPS/EPS, medical equipment, emergency light and security system applications.



Product Features

- ⚡ Capacity range:33Ah-250Ah
- ⚡ Voltage class:12V
- ⚡ Long design life(25°C):10 years
- ⚡ Low self-discharge rate: ≤3%/month
- ⚡ Good high rate discharge performance
- ⚡ High sealed reaction efficiency:≥99%
- ⚡ Wide operation temperature: -20°C~60°C
- ⚡ Structure:compact design,low internal resistance,
- ⚡ Plate:Pasted falt type
- ⚡ Terminal :two or more types terminals are convenient for selection higer assembling pressure to increase deep cycle life;
- ⚡ Battery case:made of high strength ABS(UL94-HB)and UL94-V0 is optioal;
- ⚡ Terminal sealing:double sealing technic(mechanical+epoxy glue).

GFM Series Application

- UPS/EPS
- Emergency Light
- Security System
- Medical



12Voltage FM Series Battery Range Specifications

| NO. | ITEMS | VOLTAGE | CAPACITY C ₁₀ | DIMENSION(mm) | | | | GROSS WEIGHT | TERMINAL |
|-----|-----------|---------|--------------------------|---------------|-------|--------|--------------|--------------|----------|
| | NO | VOLT | AH/10HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | 6-GFM-33 | 12 | 33 | 196 | 131 | 155 | 180 | 9.5 | F3 |
| 2 | 6-GFM-38 | 12 | 38 | 198 | 166 | 170 | 170 | 12.1 | F3 |
| 3 | 6-GFM-40 | 12 | 40 | 198 | 166 | 170 | 170 | 12.4 | F3/F16 |
| 4 | 6-GFM-55 | 12 | 55 | 229 | 138 | 210 | 228 | 14.9 | F4 |
| 5 | 6-GFM-65 | 12 | 65 | 348 | 168 | 178 | 178 | 21.4 | F4 |
| 6 | 6-GFM-75 | 12 | 75 | 260 | 168 | 209 | 227 | 23.4 | F4 |
| 7 | 6-GFM-90 | 12 | 90 | 307 | 169 | 208 | 227 | 28.5 | F4/F8 |
| 8 | 6-GFM-100 | 12 | 100 | 329 | 172 | 214 | 243 | 30.1 | F4/F8 |
| 9 | 6-GFM-120 | 12 | 120 | 409 | 177 | 207 | 234 | 34.9 | F9 |
| 10 | 6-GFM-150 | 12 | 150 | 483 | 170 | 240 | 240 | 42.5 | F4/F10 |
| 11 | 6-GFM-200 | 12 | 200 | 522 | 240 | 218 | 223 | 58.5 | F5/F11 |
| 12 | 6-GFM-250 | 12 | 250 | 522 | 268 | 218 | 223 | 63.5 | F5/F11 |

VRLA Battery

GFM 2V Series

Summary

GFM 2V series is the general purpose battery with 18 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM valve regulated technology, the GFM 2V battery provides consistent performance and long service life. The new grid design effectively reduces the internal resistance, which provides higher specific energy density and excellent high rate discharge characteristics.

It is suitable for communication back-up power and EPS/UPS applications.

Product Features

- ⚡ Capacity range: 200Ah-3000Ah
- ⚡ Voltage class: 2V
- ⚡ Long design life: more than 18 years
- ⚡ Polarity sign: symmetrical and more clear
- ⚡ Low self-discharge rate: ≤3% per month
- ⚡ High recombination efficiency: ≥99%
- ⚡ Compact structure and high specific energy
- ⚡ Wide operation temperature: -20-60°C
- ⚡ Grid: thicker grid and radiative grid structure:
- ⚡ Positive plate: Pasted flat type, latest grid alloy
- ⚡ Separator: AGM separator with high adsorptive and low resistance;
- ⚡ Battery container: High strength ABS (UL94-HB) and UL 94-V0 is optional;
- ⚡ Post sealing: patent multi-layer post sealing with M8 copper insert terminal;
- ⚡ Safety Valve: sensitive operate pressure and reliable equipped with explosion-proof arrester and acid filter.



GFM 2V Series Application

Telecommunication
UPS/EPS
Power storage plant
Utility



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY C ₁₀ | DIMENSION(mm) | | | | GROSS WEIGHT | TERMINAL |
|-----|----------|---------|-----------------------------|---------------|-------|--------|--------------|-----------------|----------|
| | NO | VOLT | AH/10HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | GFM-200 | 2 | 200 | 170 | 110 | 330 | 350 | 14.3 | F7 |
| 2 | GFM-300 | 2 | 300 | 171 | 151 | 330 | 366 | 20.3 | F7 |
| 3 | GFM-400 | 2 | 400 | 211 | 176 | 329 | 367 | 27 | F7 |
| 4 | GFM-500 | 2 | 500 | 241 | 172 | 330 | 365 | 32.1 | F7 |
| 5 | GFM-600 | 2 | 600 | 301 | 175 | 331 | 366 | 39.1 | F7 |
| 6 | GFM-800 | 2 | 800 | 410 | 176 | 330 | 365 | 48.1 | F7 |
| 7 | GFM-1000 | 2 | 1000 | 475 | 175 | 327 | 365 | 64.2 | F7 |
| 8 | GFM-1200 | 2 | 1200 | 475 | 175 | 327 | 365 | 71 | F7 |
| 9 | GFM-1500 | 2 | 1500 | 401 | 351 | 342 | 378 | 101 | F7 |
| 10 | GFM-2000 | 2 | 2000 | 491 | 351 | 343 | 383 | 132 | F7 |
| 11 | GFM-3000 | 2 | 3000 | 712 | 353 | 341 | 382 | 192 | F7 |

VRLA Battery

GFM-F Series



Summary

GFM-F(Front Terminal) Series is specially designed for telecom use with 10+ years design life in float service. By adopting a new AGM separator and centralised venting system, the battery can be installed in any position while maintaining high reliability. The dimensions of the GFM-F series is designed for 19" and 23" cabinet installation

It is suitable for UPS/EPS applications.

Product Features

- ⚡ Capacity range:40Ah-200Ah
- ⚡ Vpotage class:12V
- ⚡ Long design life (25°C) : 10+years
- ⚡ Low self-discharge rate: ≤3%month
- ⚡ Good high rate discharge performance
- ⚡ Hige sealed reaction efficiency: ≥99%
- ⚡ Wide operation temperature range:-20°C-60°C
- ⚡ Narrow structure:each call has same heat dissipation efficiency.Thus good to prevent "thermal runaway";
- ⚡ Plate:Pasted flat type
- ⚡ Front terminal is convenient for connection and maintenance;
- ⚡ Centralized vent system:battery internal gas can be vented out of the system.and flame arrester is equipped:
- ⚡ Terminal cover:avoiding short circuit and dust.the inspection hole is available for maintenance:
- ⚡ Separator:use improved AGM sepatator, makes lower resistance,higher assembling pressure to increase deep cycle life:
- ⚡ Terminal sealing:double sealing technic(mechanical+epoxy glue).



GFM-F Series

Application

- Telecommunication
- Emergency Light
- Photovoltaic/Wind Energy



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY C ₁₀ | DIMENSION(mm) | | | | GROSS WEIGHT | TERMINAL |
|-----|------------|---------|-----------------------------|---------------|-------|--------|--------------|-----------------|----------|
| | NO | VOLT | AH/10HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | 6-GFM-40F | 12 | 40 | 277 | 106 | 222 | 222 | 15.5 | F3 |
| 2 | 6-GFM-55F | 12 | 55 | 277 | 106 | 222 | 222 | 17.3 | F4 |
| 3 | 6-GFM-70F | 12 | 70 | 564 | 114 | 187 | 187 | 25.5 | F4 |
| 4 | 6-GFM-75F | 12 | 75 | 564 | 114 | 187 | 187 | 26 | F4 |
| 5 | 6-GFM-90F | 12 | 90 | 508 | 110 | 238 | 238 | 29 | F4 |
| 6 | 6-GFM-100F | 12 | 100 | 508 | 110 | 238 | 238 | 30 | F4 |
| 7 | 6-GFM-100F | 12 | 100 | 394 | 110 | 286 | 286 | 31 | F4 |
| 8 | 6-GFM-120F | 12 | 120 | 551 | 110 | 288 | 288 | 41.1 | F20 |
| 9 | 6-GFM-150F | 12 | 150 | 551 | 110 | 288 | 288 | 46.5 | F20 |
| 10 | 6-GFM-180F | 12 | 180 | 560 | 126 | 316 | 316 | 52.8 | F20 |
| 11 | 6-GFM-200F | 12 | 200 | 550 | 126 | 330 | 330 | 62 | F5 |

VRLA Battery

GFM-D Series

Summary

GFM-D series is specially designed for frequent cyclic performance. By using strong grids and specially designed active material, the GFM-D series battery offers more cyclic life than standby series. It is suitable for solar energy systems, marine and RV etc.

Product Features

- ⚡ Capacity range: 33AH-225AH
- ⚡ Voltage class: 12V
- ⚡ Long design life (25°C) : 10 years
- ⚡ Low self-discharge rate: ≤3%/month
- ⚡ Good high rate discharge performance
- ⚡ High sealed reaction efficiency: ≥99%
- ⚡ Wide operation temperature range: -20°C~60°C
- ⚡ Structure: compact design, shorter internal connectors between cells, thus low internal resistance
- ⚡ Plate: Pasted flat type
- ⚡ Terminal: two or more types terminal are convenient for selection
- ⚡ Vent system: gases can be vented through flame arrester/filter:
- ⚡ Separator: using improved AGM separator, makes lower resistance higher assembling pressure to increase deep cycle life;
- ⚡ Battery case; made of high strength ABS (UL94-HN) and UL94-VO is optional:
- ⚡ Terminal sealing; double sealing technice (mechanical+epoxy glue).



GFM-D Series

Application

Photovoltaic/Wine Energy
UPS/EPS140
Marine/Boat
Light Electric Power Supply



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY | DIMENSION(mm) | | | | GROSS | TERMINAL |
|-----|------------|---------|-------------------------|---------------|-------|--------|--------------|-----------------|----------|
| | NO | VOLT | C10/C20 AH/10HR/20HR | Length | Width | Height | Total Height | WEIGHT (KGS) | TYPE |
| 1 | 6-GFM-33D | 12 | 33 | 196 | 131 | 155 | 180 | 9.8 | F3 |
| 2 | 6-GFM-38D | 12 | 38 | 198 | 166 | 170 | 170 | 13.7 | F3 |
| 3 | 6-GFM-40D | 12 | 40 | 198 | 166 | 170 | 170 | 13.8 | F3 |
| 4 | 6-GFM-55D | 12 | 55 | 229 | 138 | 210 | 228 | 15.2 | F4 |
| 5 | 6-GFM-65D | 12 | 65 | 348 | 168 | 178 | 178 | 21.3 | F4 |
| 6 | 6-GFM-70D | 12 | 70 | 260 | 168 | 209 | 227 | 23.5 | F4 |
| 7 | 6-GFM-90D | 12 | 90 | 307 | 169 | 208 | 227 | 28.5 | F4/F8 |
| 8 | 6-GFM-100D | 12 | 100 | 329 | 172 | 214 | 243 | 30 | F4/F8 |
| 9 | 6-GFM-120D | 12 | 120 | 409 | 177 | 207 | 234 | 34.8 | F9 |
| 10 | 6-GFM-150D | 12 | 150 | 483 | 170 | 240 | 240 | 42.4 | F4/F10 |
| 11 | 6-GFM-200D | 12 | 200 | 522 | 240 | 218 | 244 | 60.6 | F5/F11 |
| 12 | 6-GFM-225D | 12 | 200 | 522 | 240 | 218 | 244 | 66.5 | F5/F11 |

VRLA Battery

GFM-G Series



Summary

GFM-G (Deep Cycle GEL) series is designed for frequent cyclic charge and discharge applications under extreme environments. By using strong grids, high-purity lead and patented Gel electrolyte, GFM-G series offers excellent recovery after deep discharge under frequent cyclic discharge, and deliver 400 cycles at 100% DOD, suitable for solar, CATV, marine, RV and deep discharge UPS etc..

Product Features

- ⚡ Capacity range: 33Ah-3000Ah
- ⚡ Voltage class: 12V
- ⚡ Long design life: 12 years for 12V, 18 years for 2V
- ⚡ Low self-discharge rate: $\leq 2.5\%$ per month
- ⚡ High sealed reaction efficiency: $\geq 98\%$
- ⚡ High specific energy density
- ⚡ Excellent charge acceptance
- ⚡ Wide operation temperature: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- ⚡ Grid: patent primary and secondary grid structure design;
- ⚡ Positive plate: Pasted flat type, high temperature and humidity formation technique;
- ⚡ Separator: high porosity AGM separator with good cyclic characteristics and lower resistance;
- ⚡ Battery container: High strength ABS (UL94-HB) and UL94-V0 is optional;
- ⚡ Safety Valve: narrow operate pressure range and equipped with explosion-proof arrester and acid filter.



GFM-G Series

Application

- Telecommunication
- Photovoltaic/Wind Energy
- UPS
- Cable TV



Main Parameters

| NO. | ITEMS NO | VOLTAGE | CAPACITY C ₁₀ | DIMENSION(mm) | | | | GROSS WEIGHT | TERMINAL |
|-----|------------|---------|--------------------------|---------------|-------|--------|--------------|--------------|----------|
| | | VOLT | AH/10HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | 6-GFM-33G | 12 | 33 | 196 | 131 | 155 | 180 | 10 | F3 |
| 2 | 6-GFM-38G | 12 | 38 | 198 | 166 | 170 | 170 | 12.1 | F3 |
| 3 | 6-GFM-40G | 12 | 40 | 198 | 166 | 170 | 170 | 13.7 | F3 |
| 4 | 6-GFM-55G | 12 | 55 | 229 | 138 | 210 | 228 | 15.2 | F4 |
| 5 | 6-GFM-65G | 12 | 65 | 348 | 168 | 178 | 178 | 21.1 | F4 |
| 6 | 6-GFM-75G | 12 | 75 | 260 | 168 | 209 | 227 | 23.8 | F4 |
| 7 | 6-GFM-90G | 12 | 90 | 307 | 169 | 208 | 227 | 28.5 | F4/F8 |
| 8 | 6-GFM-100G | 12 | 100 | 329 | 172 | 214 | 243 | 31.5 | F4/F8 |
| 9 | 6-GFM-120G | 12 | 120 | 409 | 177 | 207 | 234 | 35.3 | F9 |
| 10 | 6-GFM-150G | 12 | 150 | 483 | 170 | 240 | 240 | 44.2 | F4/F10 |
| 11 | 6-GFM-200G | 12 | 200 | 522 | 240 | 218 | 223 | 60.1 | F5/F11 |
| 12 | 6-GFM-250G | 12 | 250 | 522 | 268 | 218 | 223 | 66 | F5/F11 |
| 13 | GFM-200G | 2 | 200 | 170 | 110 | 330 | 350 | 14.3 | F7 |
| 14 | GFM-300G | 2 | 300 | 171 | 151 | 330 | 366 | 20.3 | F7 |
| 15 | GFM-400G | 2 | 400 | 211 | 176 | 329 | 367 | 27 | F7 |
| 16 | GFM-500G | 2 | 500 | 241 | 172 | 330 | 365 | 32.1 | F7 |
| 17 | GFM-600G | 2 | 600 | 301 | 175 | 331 | 366 | 39.1 | F7 |
| 18 | GFM-800G | 2 | 800 | 410 | 176 | 330 | 365 | 48.1 | F7 |
| 19 | GFM-1000G | 2 | 1000 | 475 | 175 | 327 | 365 | 64.2 | F7 |
| 20 | GFM-1200G | 2 | 1200 | 475 | 175 | 327 | 365 | 71 | F7 |
| 21 | GFM-1500G | 2 | 1500 | 401 | 351 | 342 | 378 | 101 | F7 |
| 22 | GFM-2000G | 2 | 2000 | 491 | 351 | 343 | 383 | 132 | F7 |
| 23 | GFM-3000G | 2 | 3000 | 712 | 353 | 341 | 382 | 192 | F7 |

VRLA Battery

OPzV Series

Summary

Valve Regulated Tubular Plate GEL Batteries for Stationary Applications
AOKLY's OPzV batteries are characterized by maintenance-free, long service life, excellent reliable performance even in harsh conditions (high operating temperature or unstable power network) and durability under cyclic use, thus providing a premium efficient and cost effective energy solution.

Optimum design, according to DIN international standards, exclusive use of high quality raw materials, robust construction and state of the art manufacturing processes make this OPzV range an ideal solution for high demanding stationary applications.

Product Features

- ⚡ Capacity range(C₁₀): 200-3000 Ah
- ⚡ Voltage: 2V
- ⚡ Floating design life: 20 years at 25°C
- ⚡ Cycle life: >2000 at 80% DOD and 6000 at 25% DOD
- ⚡ Self discharge rate: ≤ 2% /month
- ⚡ High charge acceptance performance
- ⚡ Wide operation temperature: -40°C~70°C
- ⚡ Storage life :after fully charged,it can be stored about 2 years at 20°C
- ⚡ Good deep discharge recovery performance



OPzV Series

Application

Telecommunication
Photovoltaic/Wind Energy
UPS
Power Storage Plant
Military



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY | DIMENSION(mm) | | | | GROSS | TERMINAL |
|-----|------------|---------|----------|---------------|-------|--------|--------------|-------|----------|
| | NO | VOLT | AH/10HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | OPzV2-200 | 2 | 200 | 103 | 206 | 355 | 390 | 16.8 | |
| 2 | OPzV2-250 | 2 | 250 | 124 | 206 | 355 | 390 | 20.5 | |
| 3 | OPzV2-300 | 2 | 300 | 145 | 206 | 355 | 390 | 24.5 | |
| 4 | OPzV2-350 | 2 | 350 | 124 | 206 | 471 | 506 | 28.5 | |
| 5 | OPzV2-420 | 2 | 420 | 145 | 206 | 471 | 506 | 33 | |
| 6 | OPzV2-490 | 2 | 490 | 166 | 206 | 471 | 506 | 38.5 | |
| 7 | OPzV2-600 | 2 | 600 | 145 | 206 | 646 | 681 | 46.5 | |
| 8 | OPzV2-770 | 2 | 770 | 254 | 210 | 471 | 506 | 56 | |
| 9 | OPzV2-800 | 2 | 800 | 191 | 210 | 646 | 681 | 63 | |
| 10 | OPzV2-1000 | 2 | 1000 | 233 | 210 | 646 | 681 | 77 | |
| 11 | OPzV2-1200 | 2 | 1200 | 275 | 210 | 646 | 681 | 92 | |
| 12 | OPzV2-1500 | 2 | 1500 | 275 | 210 | 796 | 831 | 110 | |
| 13 | OPzV2-2000 | 2 | 2000 | 399 | 214 | 772 | 807 | 150 | |
| 14 | OPzV2-2500 | 2 | 2500 | 487 | 212 | 772 | 807 | 190 | |
| 15 | OPzV2-3000 | 2 | 3000 | 576 | 212 | 772 | 807 | 225 | |

VRLA Battery

OPzS Series



Summary

Vented Tubular Plate Batteries for Stationary Applications
AOKLY's OPzS batteries are characterized by low maintenance requirements, long service life and excellent capacity performance while operating in high temperature or unstable power network, thus providing a premium efficient and cost effective energy solution.

Optimized design, according to DIN international standards, exclusive use of high quality raw materials, robust construction and state of the art manufacturing process make the OPzS range the ideal solution for stationary application demanding high level of safety and reliability.

Product Features

- ⚡ Capacity range(C₁₀): 200-3000 Ah
- ⚡ Voltage: 2V
- ⚡ Floating design life: 20 years at 25°C
- ⚡ Cycle life: >2200 at 80% DOD and 6000 at 25% DOD
- ⚡ Self discharge rate: ≤5% /month
- ⚡ High charge acceptance performance
- ⚡ Wide operation temperature: -40°C~70°C
- ⚡ Good deep discharge recovery performance.



OPzS Series

Application

- Traction forklifts
- Traction electric vehicles
- Electric cars
- Photovoltaic / Wind Power



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY | DIMENSION(mm) | | | | DRY WEIGHT | WET WEIGHT | TERMINAL |
|-----|------------|---------|----------|---------------|-------|--------|--------------|------------|------------|----------|
| | NO | VOLT | AH/10HR | Length | Width | Height | Total Height | (KGS) | (KGS) | TYPE |
| 1 | OPzS2-200 | 2 | 200 | 103 | 206 | 355 | 410 | 13.3 | 17.6 | |
| 2 | OPzS2-250 | 2 | 250 | 124 | 206 | 355 | 410 | 15.8 | 21.1 | |
| 3 | OPzS2-300 | 2 | 300 | 145 | 206 | 355 | 410 | 18.5 | 24.5 | |
| 4 | OPzS2-350 | 2 | 350 | 124 | 206 | 471 | 526 | 20.5 | 26.7 | |
| 5 | OPzS2-420 | 2 | 420 | 145 | 206 | 471 | 526 | 24.5 | 33.6 | |
| 6 | OPzS2-490 | 2 | 490 | 166 | 206 | 471 | 526 | 28 | 38.7 | |
| 7 | OPzS2-600 | 2 | 600 | 145 | 206 | 646 | 701 | 34.4 | 46.4 | |
| 8 | OPzS2-770 | 2 | 770 | 254 | 210 | 471 | 526 | 45.4 | 58.6 | |
| 9 | OPzS2-800 | 2 | 800 | 191 | 210 | 646 | 701 | 47.6 | 64.3 | |
| 10 | OPzS2-1000 | 2 | 1000 | 233 | 210 | 646 | 701 | 57.8 | 78 | |
| 11 | OPzS2-1200 | 2 | 1200 | 275 | 210 | 646 | 701 | 68 | 91.8 | |
| 12 | OPzS2-1500 | 2 | 1500 | 275 | 210 | 796 | 851 | 83.5 | 113.5 | |
| 13 | OPzS2-2000 | 2 | 2000 | 399 | 214 | 772 | 827 | 112.8 | 153.4 | |
| 14 | OPzS2-2500 | 2 | 2500 | 487 | 212 | 772 | 827 | 140.4 | 190.9 | |
| 15 | OPzS2-3000 | 2 | 3000 | 576 | 212 | 772 | 827 | 166.7 | 226.8 | |

VRLA Battery



Series

ELECTRIC VEHICLE Battery

Summary

EVF series is specially designed for frequent deep cycle discharge. By using the specially designed active material and strong grids, the EVF series battery offers reliable performance in high load situations and can deliver more than 400 cycles at 100% DOD. Suitable for mobility scooters, electric wheel chairs, golf buggies etc

Product Features

- ⚡ Pb-Ca-Sn alloy, no Cd, environmentally-friendly;
- ⚡ High purity raw material and high performance AGM separator
- ⚡ Excellent low temperature property and vibration resistance;
- ⚡ Excellent cycle life and recovery performance during deep cycle use;
- ⚡ High strength ABS case and good impact resistance;
- ⚡ Sealed construction and Maintenance free.



EVF Series Application

- Electric Bike
- Electric Motorcycle
- Wheelchair
- Electric Tools
- Golf car
- Electrical tractor
- Farm equipment



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY C ₂₀ | CAPACITY C ₃ | DIMENSION(mm) | | | | GROSS WEIGHT | TERMINAL |
|-----|-----------|---------|--------------------------|-------------------------|---------------|-------|--------|--------------|--------------|----------|
| | NO | VOLT | AH/20HR | AH/3HR | Length | Width | Height | Total Height | (KGS) | TYPE |
| 1 | 3-EVF-10 | 6 | 15 | 10 | 151 | 50 | 95 | 100 | 2.2 | F16 |
| 2 | 3-EVF-170 | 6 | 250 | 170 | 260 | 180 | 246 | 252 | 30 | F7 |
| 3 | 3-EVF-200 | 6 | 295 | 200 | 260 | 180 | 270 | 275 | 36 | F7 |
| 4 | 3-EVF-260 | 6 | 380 | 260 | 350 | 180 | 270 | 275 | 46 | F7 |
| 5 | 3-EVF-300 | 6 | 440 | 300 | 295 | 178 | 346 | 351 | 54.3 | F7 |
| 6 | 4-EVF-150 | 8 | 220 | 150 | 260 | 180 | 280 | 283 | 37.6 | F7 |
| 7 | 6-EVF-7.5 | 12 | 11 | 7.5 | 152 | 65 | 113 | 118 | 3.1 | F1 |
| 8 | 6-EVF-10 | 12 | 15 | 10 | 152 | 100 | 91 | 102 | 4.3 | F1 |
| 9 | 6-EVF-17 | 12 | 25 | 17 | 181 | 77 | 167 | 167 | 6.4 | F1 |
| 10 | 6-EVF-20 | 12 | 29 | 20 | 183 | 78 | 167 | 167 | 7.15 | F1 |
| 11 | 6-EVF-24 | 12 | 35 | 24 | 177 | 167 | 126 | 126 | 9.08 | F19 |
| 12 | 6-EVF-33 | 12 | 49 | 33 | 195 | 131 | 155 | 180 | 12.45 | F19 |
| 13 | 6-EVF-40 | 12 | 59 | 40 | 197 | 166 | 170 | 170 | 14.8 | F3 |
| 14 | 6-EVF-80 | 12 | 120 | 80 | 260 | 168 | 212 | 218 | 27.5 | F4 |
| 15 | 6-EVF-100 | 12 | 145 | 100 | 332 | 174 | 216 | 224 | 35 | F7 |
| 16 | 6-EVF-120 | 12 | 175 | 120 | 405 | 169 | 240 | 240 | 42.1 | F7 |
| 17 | 6-EVF-150 | 12 | 220 | 150 | 481 | 170 | 240 | 240 | 52 | F7 |
| 18 | 6-EVF-200 | 12 | 295 | 200 | 522 | 238 | 220 | 220 | 70 | F7 |

VRLA Battery



EV Series

GOLF CART Battery

Summary

EV series is specially designed for frequent deep cycle discharge. By using the specially designed active material and strong grids, the EV series battery offer reliable performance in high load situations and can deliver more than 500 cycles at 100% DOD. Suitable for golf car, sightseeing cars, electric vehicle etc.

Product Features

- ⚡ Pb-Sb-Sn-As alloy, no Cd, environment-friendly
- ⚡ Reliable deep circulated discharge performance ,the cycle life ≥500 times at 100% DOD
- ⚡ Little self-discharge characteristic and high output power.
- ⚡ Perfect performance on battery consistency
- ⚡ With tight assembly technology and excellent vibration resistance.



EV Series

Application

- Electric Bike
- Electric Motorcycle
- Wheelchair
- Electric Tools
- Golf car
- Electrical tractor
- Farm equipment



Main Parameters

| NO. | ITEMS | VOLTAGE | CAPACITY C ₂₀ | CAPACITY C ₅ | DIMENSION(mm) | | | | DRY WEIGHT | WET WEIGHT | TERMINAL |
|-----|----------|---------|--------------------------|-------------------------|---------------|-------|--------|--------------|------------|------------|----------|
| | NO | VOLT | AH/20HR | AH/5HR | Length | Width | Height | Total Height | (KGS) | (KGS) | TYPE |
| 1 | 3-EV-170 | 6 | 220 | 170 | 260 | 182 | 247 | 285 | 22.2 | 29.7 | F12 |
| 2 | 3-EV-190 | 6 | 245 | 190 | 260 | 182 | 247 | 285 | 24.3 | 31.7 | F12 |
| 3 | 3-EV-210 | 6 | 270 | 210 | 260 | 182 | 267 | 304 | 25.8 | 34.4 | F12 |
| 4 | 4-EV-145 | 8 | 190 | 145 | 260 | 182 | 248 | 285 | 25.4 | 33.2 | F12 |
| 5 | 6-EV-120 | 12 | 155 | 120 | 331 | 182 | 242 | 280 | 31.9 | 41.3 | F12 |