



# VRLA BATTERY

## PRODUCT BROCHURE

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World-Leading Smart Energy Solution Supplier

# Amosolar GROUP

## Amosolar Co.,Ltd

Amosolar Battery focused on research and manufacture of lead-acid battery since the year 1998, we have exported our various kinds of Lead Acid Batteries to 86 countries and won a good reputation in quality. With over 10 years of development, Amosolar now has factory area covers 150,000 square meters, with 600 experienced employees.

Our product range covers AGM batteries 2V/6V/12V(including General Small Size Series, General Medium Size Series, and 2V Industrial Battery Series), Deep Cycle batteries, GEL batteries, Front Access batteries, OPzS, OPzV as tubular batteries. For different applications, we also developed security batteries series, UPS series, solar DC series for better key performance.



## WHY CHOOSE US

Amosolar Co.,Ltd



Grow stable



Partnership

22  
Years

Time Proven



Good Quality  
Market Choice



Highly  
Cost Effective

# EXTENSIVE PRODUCT RANGE

Amosolar Co.,Ltd

Amosolar has one of most extensive product ranges in the industry. With one of the largest and most qualified Research and Development teams among VRLA manufacturers and many years of experience in the development of new products to meet customer needs, Amosolar has created the largest variety of models and chemistries. This unique advantage allows Amosolar to provide its customers with the best solution for any application they may have by offering a model that optimizes cost, performance, weight, and size to meet or exceed their needs.



GFM 12V<sup>P03</sup>  
GFM 12V Batteries

GFM 2V<sup>P05</sup>  
GFM 2V Batteries

OPzV<sup>P07</sup>  
OPzV Batteries

OPzS<sup>P09</sup>  
OPzS Batteries

FM<sup>P11</sup>  
FM AGM Batteries

GFM<sup>P13</sup>  
GFM AGM Batteries

FA<sup>P15</sup>  
Front Terminal Batteries

DC<sup>P17</sup>  
Deep Cycle Batteries

# GEL BATTERIES GFM 12V SERIES

12V 24-250Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability



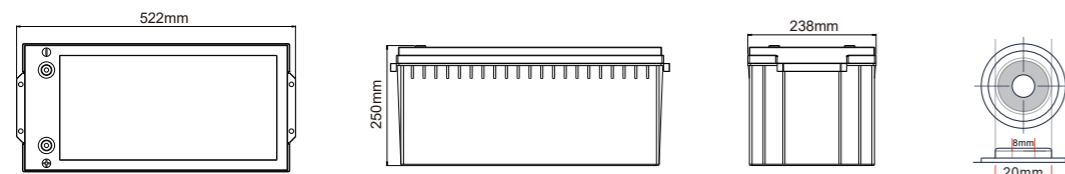
## PRODUCT OVERVIEW

GEL (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, GEL series offers excellent recovery after deep discharge under frequent cyclic discharge, and can deliver 400 cycles at 100% DOD. Suitable for solar, CATV, marine, RV and deep discharge UPS etc.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING (12V 200AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
GFM 12V24Ah	6-GFM(G)-24	12	24	10	175×166×125×125
GFM 12V33Ah	6-GFM(G)-33	12	33	10	196×131×161×170
GFM 12V35Ah	6-GFM(G)-35	12	35	10	196×131×161×170
GFM 12V38Ah	6-GFM(G)-38	12	38	10	196×165×170×170
GFM 12V40Ah	6-GFM(G)-40	12	40	10	196×165×170×170
GFM 12V55Ah	6-GFM(G)-55	12	55	10	230×137×210×215
GFM 12V65Ah	6-GFM(G)-65	12	65	10	350×166×175×175
GFM 12V70Ah	6-GFM(G)-70	12	70	10	260×168×217×217
GFM 12V75Ah	6-GFM(G)-75	12	75	10	260×168×217×217
GFM 12V100Ah	6-GFM(G)-100	12	100	10	330×172×219×230
GFM 12V120Ah	6-GFM(G)-120	12	120	10	407×175×213×233
GFM 12V150Ah	6-GFM(G)-150	12	150	10	480×170×240×240
GFM 12V180Ah	6-GFM(G)-180	12	180	10	522×238×221×250
GFM 12V200Ah	6-GFM(G)-200	12	200	10	522×238×221×250
GFM 12V230Ah	6-GFM(G)-230	12	230	10	521×269×203×206
GFM 12V250Ah	6-GFM(G)-250	12	250	10	522×255×221×250

# GEL BATTERIES GFM 2V SERIES

2 V 50 - 3000 A h



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



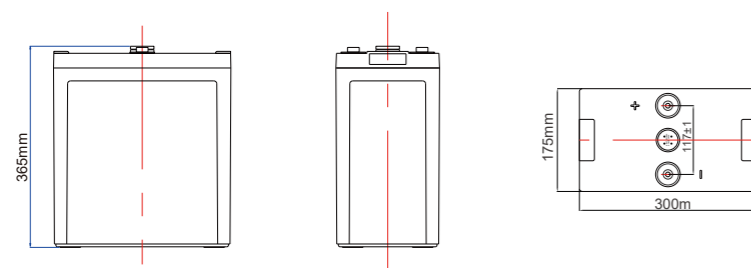
## PRODUCT OVERVIEW

GFM 2V series is the general purpose battery with 20 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM valve regulated technology, the GFM 2V series 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.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING (2V 600AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
GFM 2V50Ah	GFM-50	2	50	10	160×50×166×175
GFM 2V100Ah	GFM-100	2	100	10	170×72×205×228
GFM 2V150Ah	GFM-150	2	150	10	172×102×208×225
GFM 2V200Ah	GFM-200	2	200	10	170×110×335×365
GFM 2V250Ah	GFM-250	2	250	10	171×151×340×365
GFM 2V300Ah	GFM-300	2	300	10	171×151×340×365
GFM 2V350Ah	GFM-350	2	350	10	171×151×340×365
GFM 2V400Ah	GFM-400	2	400	10	210×175×335×365
GFM 2V450Ah	GFM-450	2	450	10	240×175×338×365
GFM 2V500Ah	GFM-500	2	500	10	240×175×338×365
GFM 2V600Ah	GFM-600	2	600	10	300×175×335×365
GFM 2V800Ah	GFM-800	2	800	10	410×175×330×365
GFM 2V1000Ah	GFM-1000	2	1000	10	475×175×330×365
GFM 2V1500Ah	GFM-1500	2	1500	10	398×350×340×385
GFM 2V2000Ah	GFM-2000	2	2000	10	490×350×340×380
GFM 2V2500Ah	GFM-2500	2	2500	10	712×353×340×385
GFM 2V3000Ah	GFM-3000	2	3000	10	712×353×340×385

# TUBULAR GEL OPzV SERIES

2V 200-3000Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



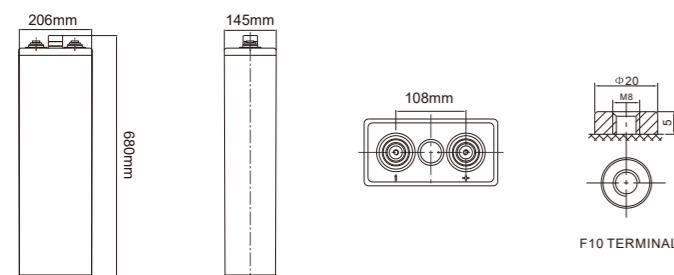
## PRODUCT OVERVIEW

OPzV series is Valve Regulated Lead Acid battery adopting immobilised GEL and Tubular Plate technology, offering high reliability and stable performance. The OPzV series is designed and manufactured according to DIN standards, with die-casted positive grid and patented active material formula, they exceed the DIN standard values. They offer 20 years design life in float service at 25°C and are more suitable for cyclic use under extreme operating conditions. Suitable for power supply in telecommunication, photovoltaic / wind energy storage and UPS applications.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING (2V 600AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
2V200Ah	OPzV-200	2	200	10	103×206×355×390
2V250Ah	OPzV-250	2	250	10	125×206×355×390
2V300Ah	OPzV-300	2	300	10	145×206×355×390
2V350Ah	OPzV-350	2	350	10	125×206×470×506
2V420Ah	OPzV-420	2	420	10	145×206×470×506
2V490Ah	OPzV-490	2	490	10	166×206×470×506
2V600Ah	OPzV-600	2	600	10	145×206×645×681
2V800Ah	OPzV-800	2	800	10	191×210×645×681
2V1000Ah	OPzV-1000	2	1,000	10	233×210×645×681
2V1200Ah	OPzV-1200	2	1,200	10	275×210×645×681
2V1500Ah	OPzV-1500	2	1,500	10	275×210×795×831
2V2000Ah	OPzV-2000	2	2,000	10	399×212×77×2807
2V2500Ah	OPzV-2500	2	2,500	10	487×212×772×807
2V3000Ah	OPzV-3000	2	3,000	10	576×212×772×807

# TUBULAR GEL OPzS SERIES

2 V 200 - 3000 A h



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



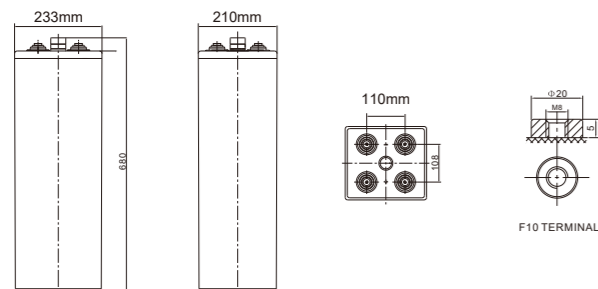
## PRODUCT OVERVIEW

OPzS series is a flooded Lead Acid battery that adopts Tubular Plate technology to offer high reliability and performance. The Battery is designed and manufactured according to DIN40736-2/EC60896-11 standards and with die-casting positive spine and patent formula of active material. The OPzS series batteries offer 400% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, traction/etc. The OPzS series is the best choice for energy system in high altitude area.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING (2V 1000AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
2V200Ah	OPzS-200	2	217	10	103×206×355×410
2V250Ah	OPzS-250	2	266	10	125×206×355×410
2V300Ah	OPzS-300	2	319	10	145×206×355×410
2V350Ah	OPzS-350	2	388	10	125×206×470×525
2V420Ah	OPzS-420	2	466	10	145×206×470×525
2V490Ah	OPzS-490	2	556	10	166×206×470×525
2V600Ah	OPzS-600	2	668	10	145×206×645×700
2V800Ah	OPzS-800	2	890	10	191×210×645×700
2V1000Ah	OPzS-1000	2	1118	10	233×210×645×700
2V1200Ah	OPzS-1200	2	1350	10	275×210×645×700
2V1500Ah	OPzS-1500	2	1635	10	275×210×795×850
2V2000Ah	OPzS-2000	2	2230	10	399×212×771×826
2V2500Ah	OPzS-2500	2	2936	10	487×212×771×826
2V3000Ah	OPzS-3000	2	3360	10	576×212×771×826

# AGM BATTERY FM SERIES

12 / 6 V 1.3 - 26 Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



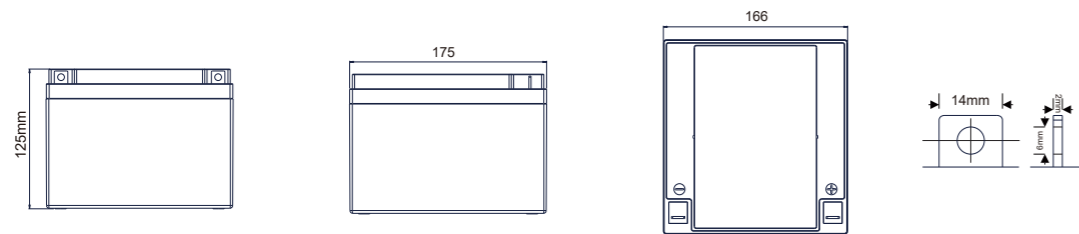
## PRODUCT OVERVIEW

AGM Battery is the general purpose battery with 6-8 years design life for float service. It meets IEC and JIS standards. With up-dated AGM valve regulated technology and high purity raw materials, the RT series battery has reliable standby service life. It is suitable for UPS/EPS, medical equipment, emergency light and security systems applications.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING(12V 24AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
6V2.8Ah	3-FM-2.8	6	2.8	20	125×33×60×64
6V4Ah	3-FM-4	6	4.0	20	70×47×100×104
6V4.5Ah	3-FM-4.5	6	4.5	20	70×47×100×104
6V7Ah	3-FM-7	6	7.0	20	151×35×94×98
6V8Ah	3-FM-8	6	8.0	20	151×35×94×98
6V9Ah	3-FM-9	6	9.0	20	151×35×94×98
6V10Ah	3-FM-10	6	10.0	20	151×50×94×98
6V12Ah	3-FM-12	6	12.0	20	151×50×94×98
12V1.3Ah	6-FM-1.3	12	1.3	20	97×45×52×57
12V2.3Ah	6-FM-2.3	12	2.3	20	70×48×99×102
12V4Ah	6-FM-4	12	4.0	20	90×70×101×105
12V4.5Ah	6-FM-4.5	12	4.5	20	90×70×101×105
12V5Ah	6-FM-5	12	5.0	20	90×70×101×105
12V6Ah	6-FM-6	12	6.0	20	151×65×94×98
12V7Ah	6-FM-7	12	7.0	20	151×65×94×98
12V7.2Ah	6-FM-7.2	12	7.2	20	151×65×94×98
12V7.5Ah	6-FM-7.5	12	7.5	20	151×65×94×98
12V8Ah	6-FM-8	12	8.0	20	151×65×94×98
12V9Ah	6-FM-9	12	9.0	20	151×65×94×98
12V10Ah	6-FM-10	12	10	20	151×98×94×98
12V12Ah	6-FM-12	12	12	20	151×98×94×98
12V17Ah	6-FM-17	12	17	20	181×77×167×167
12V18Ah	6-FM-18	12	18	20	181×77×167×167
12V20Ah	6-FM-20	12	20	20	181×77×167×167
12V24Ah	6-FM-24	12	24	20	175×166×125×125
12V26Ah	6-FM-26	12	26	20	175×166×125×125

# AGM BATTERY GFM SERIES

12V 33-250Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



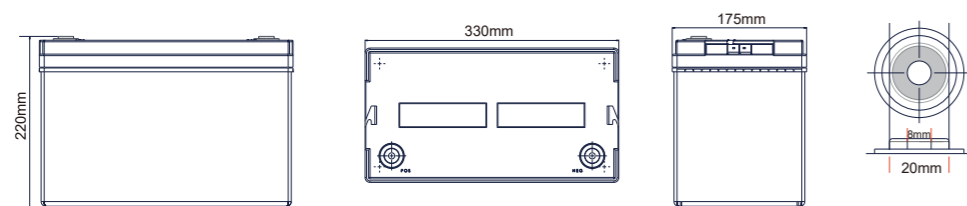
## PRODUCT OVERVIEW

GFM series is the general purpose battery with 12 years design life in float service. It meets IEC, JIS and BS standards. 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.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING (12V 100AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
12V33Ah	6-GFM-33	12	33	10	196×131×161×170
12V35Ah	6-GFM-35	12	35	10	196×131×161×170
12V38Ah	6-GFM-38	12	38	10	196×165×170×170
12V40Ah	6-GFM-40	12	40	10	196×165×170×170
12V50Ah	6-GFM-50	12	50	10	230×137×210×215
12V55Ah	6-GFM-55	12	55	10	230×137×210×215
12V60Ah	6-GFM-60	12	60	10	350×167×174×174
12V65Ah	6-GFM-65	12	65	10	350×167×174×174
12V70Ah	6-GFM-70	12	70	10	260×168×209×227
12V75Ah	6-GFM-75	12	75	10	260×167×213×216
12V80Ah	6-GFM-80	12	80	10	330×175×218×220
12V90Ah	6-GFM-90	12	90	10	330×175×218×220
12V100Ah	6-GFM-100	12	100	10	330×175×218×220
12V110Ah	6-GFM-110	12	110	10	406×175×236×236
12V120Ah	6-GFM-120	12	120	10	406×175×236×236
12V130Ah	6-GFM-130	12	130	10	486×171×243×243
12V140Ah	6-GFM-140	12	140	10	486×171×243×243
12V150Ah	6-GFM-150	12	150	10	486×171×243×243
12V175Ah	6-GFM-175	12	175	10	523×240×219×223
12V180Ah	6-GFM-180	12	180	10	523×240×219×223
12V190Ah	6-GFM-190	12	190	10	523×240×219×223
12V200Ah	6-GFM-200	12	200	10	523×240×219×223
12V220Ah	6-GFM-220	12	220	10	521×269×203×206
12V230Ah	6-GFM-230	12	230	10	521×269×203×206
12V240Ah	6-GFM-240	12	240	10	520×269×220×224
12V250Ah	6-GFM-250	12	250	10	520×269×220×224



# FRONT TERMINAL FA SERIES

12V 50-180Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability



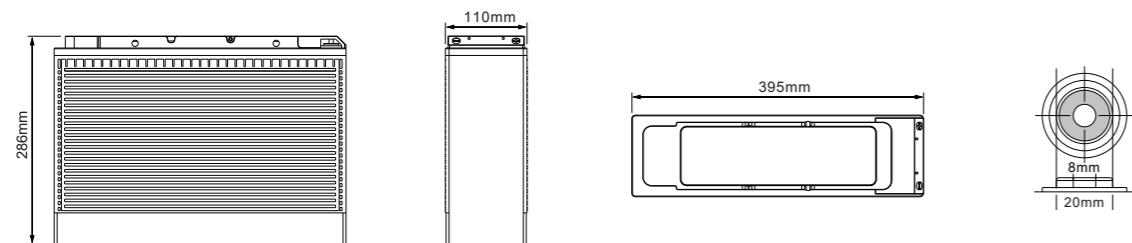
## PRODUCT OVERVIEW

FA Series is specially designed for telecom use with 12 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 FA series is designed for 19" and 23" cabinet installation. It is suitable for UPS/EPS applications.

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING (12V 100AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
FA 12V50Ah	6-GFM(F)-50	12	50	10	278×106×222×222
FA 12V75Ah	6-GFM(F)-75	12	72	10	560×115×188×188
FA 12V100Ah	6-GFM(F)-100	12	100	10	395×110×286×286
FA 12V105Ah	6-GFM(F)-105	12	105	10	508×110×225×225
FA 12V110Ah	6-GFM(F)-110	12	110	10	395×110×286×286
FA 12V125Ah	6-GFM(F)-125	12	125	10	550×105×315×315
FA 12V155Ah	6-GFM(F)-155	12	155	10	550×110×288×288
FA 12V170Ah	6-GFM(F)-170	12	170	10	545×125×325×325
FA 12V180Ah	6-GFM(F)-180	12	180	10	545×125×325×325
FAG 12V50Ah	6-GFM(FG)-50	12	50	10	278×106×222×222
FAG 12V75Ah	6-GFM(FG)-75	12	72	10	560×115×188×188
FAG 12V100Ah	6-GFM(FG)-100	12	700	10	395×110×286×286
FAG 12V105Ah	6-GFM(FG)-105	12	105	10	508×110×225×225
FAG 12V110Ah	6-GFM(FG)-110	12	110	10	395×110×286×286
FAG 12V125Ah	6-GFM(FG)-125	12	125	10	550×105×315×315
FAG 12V155Ah	6-GFM(FG)-155	12	155	10	550×110×288×288
FAG 12V170Ah	6-GFM(FG)-170	12	170	10	545×125×325×325
FAG 12V180Ah	6-GFM(FG)-180	12	180	10	545×125×325×325

# DEEP CYCLE BATTERIES DC SERIES

12V 24 - 250Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



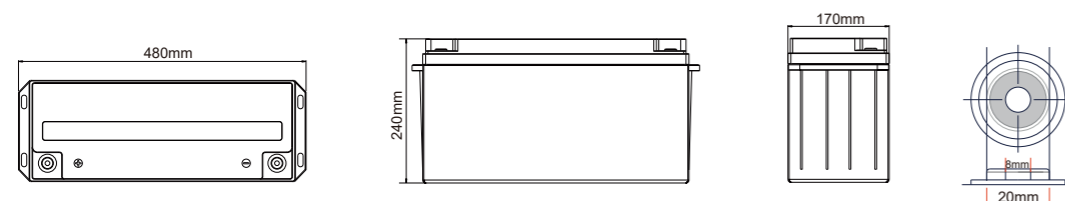
## PRODUCT OVERVIEW

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

## APPLICATIONS

- + Alarm Systems
- + Cable Television
- + Communications Equipment
- + Control Equipment
- + Computers
- + Electronic Cash Registers
- + Electric Test Equipment
- + Micro Processor Based Machines
- + Portable Cine & Video Lights
- + Power Tools
- + Solar Powered Systems
- + Telecommunications Systems
- + Television & Video Recorders
- + Toys
- + Vending Machines
- + Electric Powered Bicycle
- + Emergency lighting Systems
- + Fire & Security
- + Marine Equipment
- + Medical Equipment
- + UPS

## DRAWING(12V 150AH)



## MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)
12V24Ah	6-GFM(D)-24	12	24	10	175×166×125×125
12V33Ah	6-GFM(D)-33	12	33	10	196×131×161×170
12V35Ah	6-GFM(D)-35	12	35	10	196×131×161×170
12V38Ah	6-GFM(D)-38	12	38	10	196×165×170×170
12V40Ah	6-GFM(D)-40	12	40	10	196×165×170×170
12V55Ah	6-GFM(D)-55	12	55	10	230×137×210×215
12V65Ah	6-GFM(D)-65	12	65	10	350×166×175×175
12V70Ah	6-GFM(D)-70	12	70	10	260×168×217×217
12V75Ah	6-GFM(D)-75	12	75	10	260×168×217×217
12V100Ah	6-GFM(D)-100	12	100	10	330×172×219×230
12V120Ah	6-GFM(D)-120	12	120	10	407×175×213×233
12V150Ah	6-GFM(D)-150	12	150	10	480×170×240×240
12V180Ah	6-GFM(D)-180	12	180	10	522×238×221×250
12V200Ah	6-GFM(D)-200	12	200	10	522×238×221×250
12V230Ah	6-GFM(D)-230	12	230	10	521×269×203×206
12V250Ah	6-GFM(D)-250	12	250	10	522×255×221×250