

PRODUCT BROCHURES



Directory

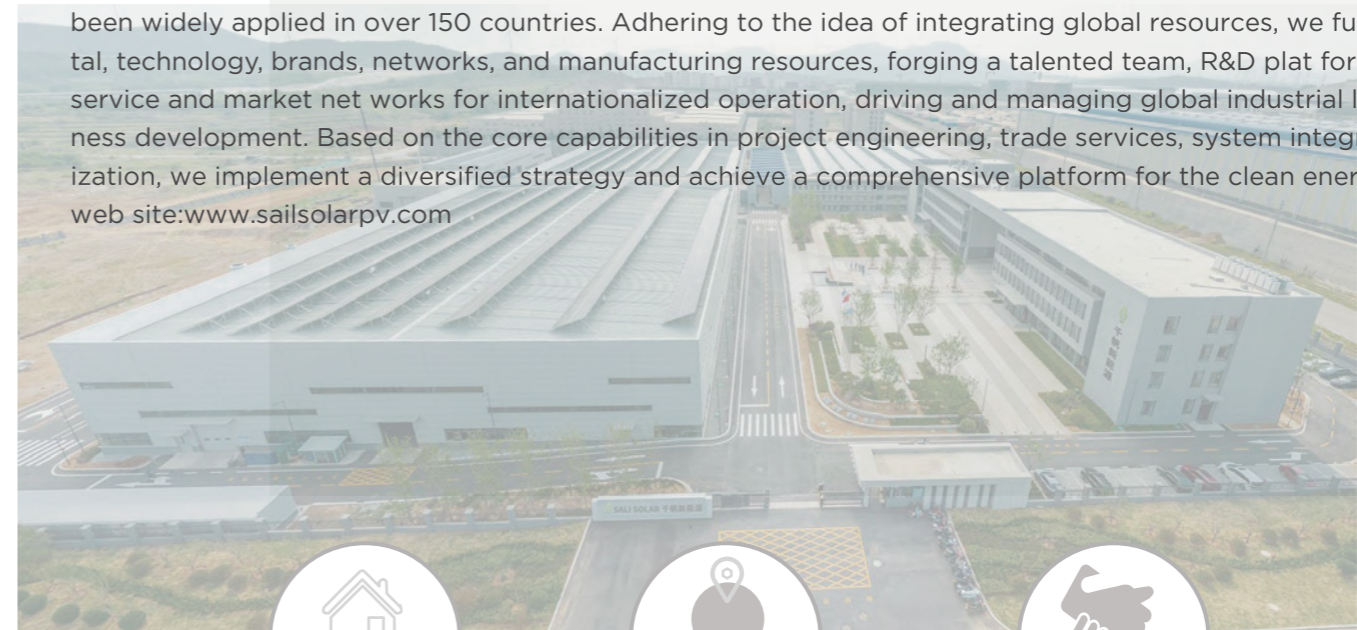
Battery

- FM AGM BATTERY
- GFM AGM BATTERY
- GFM(G) BATTERY
- GFM 2V BATTERY
- FRONT TERMIAL BATTERY
- OPzV BATTERY
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About SAIL SOLAR

As a professional solar products manufacturer, Sail Solar specializes in research, development, production, and sales of solar PV products. Since its foundation in 2008, Sail Solar has accomplished significant achievements which out-paced most of our main competitors in terms of production capacity and in the number of innovative designs. Sail Solar upholds its belief that innovation is the key driver behind advancement by pursuing new technologies of technological innovations.

Sail Solar serves worldwide customers with high-quality products. So far more than 20GW Sail Solar's products have been widely applied in over 150 countries. Adhering to the idea of integrating global resources, we fully integrate capital, technology, brands, networks, and manufacturing resources, forging a talented team, R&D platform, after-sales service and market networks for internationalized operation, driving and managing global industrial layout and business development. Based on the core capabilities in project engineering, trade services, system integration and globalization, we implement a diversified strategy and achieve a comprehensive platform for the clean energy industry. Our web site: www.sailsolarpv.com



Area



Global Footprints



Supply chain Partners



Workers



Serve

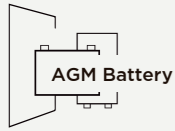


EXTENSIVE PRODUCT RANGE

Sail Solar Power 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, Sail Solar has created the largest variety of models and chemistries. This unique advantage allows Sail Solar Power 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

INTERNATIONAL MARKETS & PARTNERS

Sail Solar Battery always takes customers' demands as the precious source to develop products. Partners help us to understand more about the market, about improving products, about the trends. The market chooses the right products. With the strategic plan and continuous hard working, we are now one of the best manufacturers in our storage field. With a proven track, Sunpal Battery is growing steadily and powerfully. We are doing better and better!



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



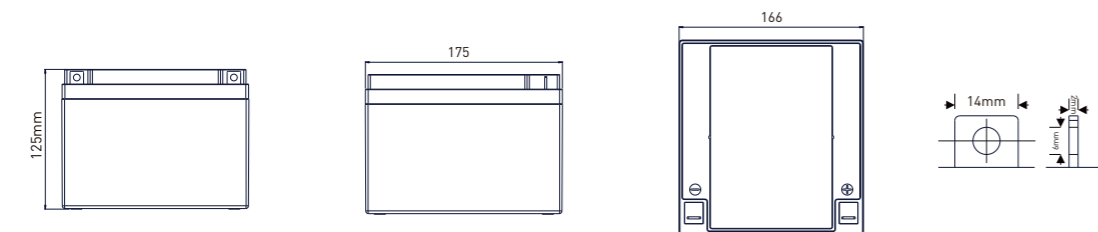
PRODUCT OVERVIEW

FM series 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)



AGM BATTERY FM SERIES

MAIN PARAMETERS

Model No.	Item. No	Voltage	Capacity	Hr Rate	Size(LxWxHxTH)	Weight(kg)
6V2.8Ah	3-FM-2.8	6	2.8	20	125x33x60x64	0.63
6V4Ah	3-FM-4	6	4.0	20	70x47x100x104	0.68
6V4.5Ah	3-FM-4.5	6	4.5	20	70x47x100x104	0.74
6V7Ah	3-FM-7	6	7.0	20	151x35x94x98	1.13
6V8Ah	3-FM-8	6	8.0	20	151x35x94x98	1.18
6V9Ah	3-FM-9	6	9.0	20	151x35x94x98	1.25
6V10Ah	3-FM-10	6	10.0	20	151x50x94x98	1.55
6V12Ah	3-FM-12	6	12.0	20	151x50x94x98	1.82
12V1.3Ah	6-FM-1.3	12	1.3	20	97x45x52x57	0.57
12V2.3Ah	6-FM-2.3	12	2.3	20	70x48x99x102	0.76
12V4Ah	6-FM-4	12	4.0	20	90x70x101x105	1.30
12V4.5Ah	6-FM-4.5	12	4.5	20	90x70x101x105	1.45
12V5Ah	6-FM--5	12	5.0	20	90x70x101x105	1.55
12V6Ah	6-FM-6	12	6.0	20	151x65x94x98	1.90
12V7Ah	6-FM-7	12	7.0	20	151x65x94x98	2.05
12V7.2Ah	6-FM-7.2	12	7.2	20	151x65x94x98	2.10
12V7.5Ah	6-FM-7.5	12	7.5	20	151x65x94x98	2.20
12V8Ah	6-FM-8	12	8.0	20	151x65x94x98	2.40
12V9Ah	6-FM-9	12	9.0	20	151x65x94x98	2.50
12V10Ah	6-FM-10	12	10	20	151x98x94x98	3.00
12V12Ah	6-FM-12	12	12	20	151x98x94x98	3.60
12V17Ah	6-FM-17	12	17	20	181x77x167x167	5.00
12V18Ah	6-FM-18	12	18	20	181x77x167x167	5.50
12V20Ah	6-FM-20	12	20	20	181x77x167x167	6.00
12V24Ah	6-FM-24	12	24	20	175x166x125x125	7.00
12V26Ah	6-FM-26	12	26	20	175x166x125x125	7.50



AGM BATTERY GFM SERIES



12V 33-250Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



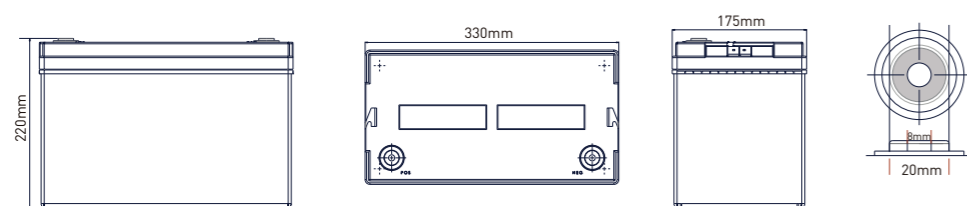
PRODUCT OVERVIEW

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)



AGM BATTERY GFM SERIES

MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(LxWxHxTH)	Weight(kg)
12V33Ah	6-GFM-33	12	33	10	196x131x161x170	10.80
12V35Ah	6-GFM-35	12	35	10	196x131x161x170	11.50
12V38Ah	6-GFM-38	12	38	10	196x165x170x170	12.00
12V40Ah	6-GFM-40	12	40	10	196x165x170x170	13.20
12V50Ah	6-GFM-50	12	50	10	230x137x210x215	16.30
12V55Ah	6-GFM-55	12	55	10	230x137x210x215	16.60
12V60Ah	6-GFM-60	12	60	10	350x167x174x174	19.30
12V65Ah	6-GFM-65	12	65	10	350x167x174x174	20.00
12V70Ah	6-GFM-70	12	70	10	260x168x209x227	20.60
12V75Ah	6-GFM-75	12	75	10	260x167x213x216	21.80
12V80Ah	6-GFM-80	12	80	10	330x175x218x220	25.50
12V90Ah	6-GFM-90	12	90	10	330x175x218x220	27.50
12V100Ah	6-GFM-100	12	100	10	330x175x218x220	28.50
12V110Ah	6-GFM-110	12	110	10	406x175x236x236	32.80
12V120Ah	6-GFM-120	12	120	10	406x175x236x236	34.60
12V130Ah	6-GFM-130	12	130	10	486x171x243x243	38.50
12V140Ah	6-GFM-140	12	140	10	486x171x243x243	40.00
12V150Ah	6-GFM-150	12	150	10	486x171x243x243	43.00
12V175Ah	6-GFM-175	12	175	10	523x240x219x223	53.00
12V180Ah	6-GFM-180	12	180	10	523x240x219x223	54.00
12V190Ah	6-GFM-190	12	190	10	523x240x219x223	55.60
12V200Ah	6-GFM-200	12	200	10	523x240x219x223	58.00
12V220Ah	6-GFM-220	12	220	10	521x269x203x206	63.00
12V230Ah	6-GFM-230	12	230	10	521x269x203x206	66.50
12V240Ah	6-GFM-240	12	240	10	520x269x220x224	67.00
12V250Ah	6-GFM-250	12	250	10	520x269x220x224	70.00



GEL BATTERIES GFM(G) SERIES

12V 24-250Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



GEL BATTERY GFM SERIES

MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(LxWxHxTH)	Weight(kg)
Gel 12V24Ah	6-GFM(G)-24	12	24	10	175x166x125x125	7.30
Gel 12V33Ah	6-GFM(G)-33	12	33	10	196x131x161x170	11.00
Gel 12V35Ah	6-GFM(G)-35	12	35	10	196x131x161x170	11.50
Gel 12V38Ah	6-GFM(G)-38	12	38	10	196x165x170x170	12.80
Gel 12V40Ah	6-GFM(G)-40	12	40	10	196x165x170x170	13.50
Gel 12V55Ah	6-GFM(G)-55	12	55	10	230x137x210x215	17.50
Gel 12V65Ah	6-GFM(G)-65	12	65	10	350x166x175x175	20.80
Gel 12V70Ah	6-GFM(G)-70	12	70	10	260x168x217x217	21.80
Gel 12V75Ah	6-GFM(G)-75	12	75	10	260x168x217x217	22.00
Gel 12V100Ah	6-GFM(G)-100	12	100	10	330x172x219x230	29.00
Gel 12V120Ah	6-GFM(G)-120	12	120	10	407x175x213x233	35.00
Gel 12V150Ah	6-GFM(G)-150	12	150	10	480x170x240x240	43.00
Gel 12V180Ah	6-GFM(G)-180	12	180	10	522x238x221x250	55.00
Gel 12V200Ah	6-GFM(G)-200	12	200	10	522x238x221x250	60.00
Gel 12V230Ah	6-GFM(G)-230	12	230	10	521x269x203x206	63.50
Gel 12V250Ah	6-GFM(G)-250	12	250	10	522x255x221x250	70.00

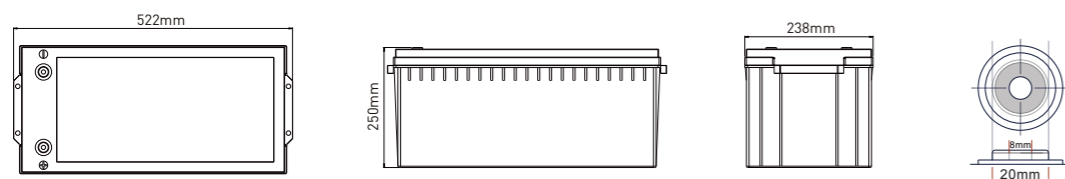
PRODUCT OVERVIEW

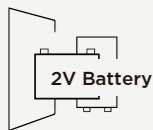
GEL (Deep Cycle GEL) series is designed for frequent cyclic charge and discharge applications under extreme environments. By using strong grids, high purity lead and patented Gel electrolyte, GEL series offers excellent recovery after deep discharge under frequent cyclic discharge, and can deliver 400 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)





2V BATTERIES

GFM 2V SERIES

2 V 50 - 3000 Ah



2V BATTERY GFM 2V SERIES

MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(LxWxHxTH)	Weight(kg)
GFM 2V50Ah	GFM-50	2	50	10	160x50x166x175	3.30
GFM 2V100Ah	GFM-100	2	100	10	170x72x205x228	6.00
GFM 2V150Ah	GFM-150	2	150	10	172x102x208x225	8.60
GFM 2V200Ah	GFM-200	2	200	10	170x110x335x365	13.50
GFM 2V250Ah	GFM-250	2	250	10	171x151x340x365	18.20
GFM 2V300Ah	GFM-300	2	300	10	171x151x340x365	20.00
GFM 2V350Ah	GFM-350	2	350	10	171x151x340x365	21.00
GFM 2V400Ah	GFM-400	2	400	10	210x175x335x365	27.00
GFM 2V450Ah	GFM-450	2	450	10	240x175x338x365	30.00
GFM 2V500Ah	GFM-500	2	500	10	240x175x338x365	31.00
GFM 2V600Ah	GFM-600	2	600	10	300x175x335x365	39.00
GFM 2V800Ah	GFM-800	2	800	10	410x175x330x365	53.50
GFM 2V1000Ah	GFM-1000	2	1000	10	475x175x330x365	62.00
GFM 2V1500Ah	GFM-1500	2	1500	10	398x350x340x385	97.00
GFM 2V2000Ah	GFM-2000	2	2000	10	490x350x340x380	130.00
GFM 2V2500Ah	GFM-2500	2	2500	10	712x353x340x385	172.00
GFM 2V3000Ah	GFM-3000	2	3000	10	712x353x340x385	188.0

- Low Self Discharge
- Sealed Construction
- Environmentally friendly
- Maintenance-Free Operation
- Stable Quality & High Reliability Sealed



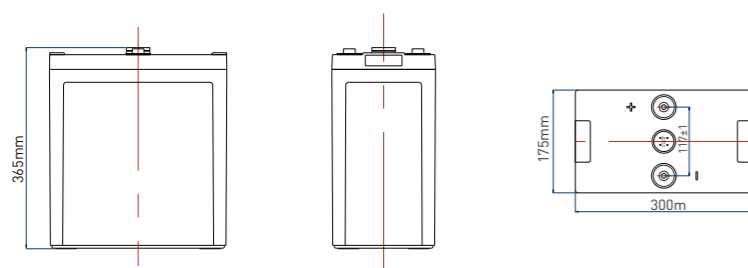
PRODUCT OVERVIEW

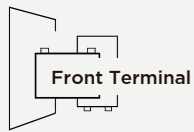
GFM 2V series is the general purpose battery with 20 years design life in float service. With heavy duty grids, thicker plates, special additives and updated AGM valve regulated technology, the GFM 2V series battery provides consistent performance and long service life. The new grid design effectively 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)





FRONT TERMINAL FA SERIES

12V 50-180Ah



Low Self Discharge



Sealed Construction



Environmentally friendly



Maintenance-Free Operation



Stable Quality & High Reliability Sealed



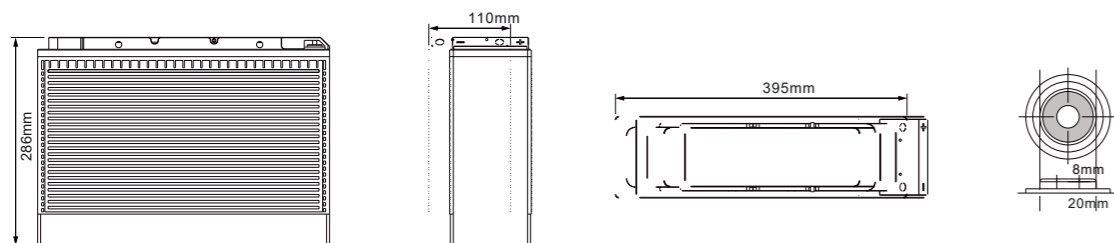
PRODUCT OVERVIEW

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

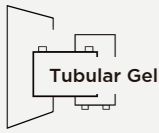
DRAWING (12V 100AH)



FRONT TERMINAL FA SERIES

MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(LxWxHxTH)	Weight(kg)
FA 12V50Ah	6-GFM(F)-50	12	50	10	278x106x222x222	17.00
FA 12V75Ah	6-GFM(F)-75	12	72	10	560x115x188x188	20.00
FA 12V100Ah	6-GFM(F)-100	12	100	10	395x110x286x286	30.00
FA 12V105Ah	6-GFM(F)-105	12	105	10	508x110x225x225	32.00
FA 12V110Ah	6-GFM(F)-110	12	110	10	395x110x286x286	33.00
FA 12V125Ah	6-GFM(F)-125	12	125	10	550x105x315x315	41.00
FA 12V155Ah	6-GFM(F)-155	12	155	10	550x110x288x288	49.00
FA 12V170Ah	6-GFM(F)-170	12	170	10	545x125x325x325	51.00
FA 12V180Ah	6-GFM(F)-180	12	180	10	545x125x325x325	53.80
FAG 12V50Ah	6-GFM(FG)-50	12	50	10	278x106x222x222	17.00
FAG 12V75Ah	6-GFM(FG)-75	12	72	10	560x115x188x188	20.00
FAG 12V100Ah	6-GFM(FG)-100	12	100	10	395x110x286x286	30.00
FAG 12V105Ah	6-GFM(FG)-105	12	105	10	508x110x225x225	32.00
FAG 12V110Ah	6-GFM(FG)-110	12	110	10	395x110x286x286	33.00
FAG 12V125Ah	6-GFM(FG)-125	12	125	10	550x105x315x315	41.00
FAG 12V155Ah	6-GFM(FG)-155	12	155	10	550x110x288x288	49.00
FAG 12V170Ah	6-GFM(FG)-170	12	170	10	545x125x325x325	51.00
FAG 12V180Ah	6-GFM(FG)-180	12	180	10	545x125x325x325	53.80



TUBULAR GEL OPzV SERIES

2 V 2 0 0 - 3 0 0 0 A h



- 
 Low Self Discharge
- 
 Sealed Construction
- 
 Environmentally friendly
- 
 Maintenance-Free Operation
- 
 Stable Quality & High Reliability Sealed



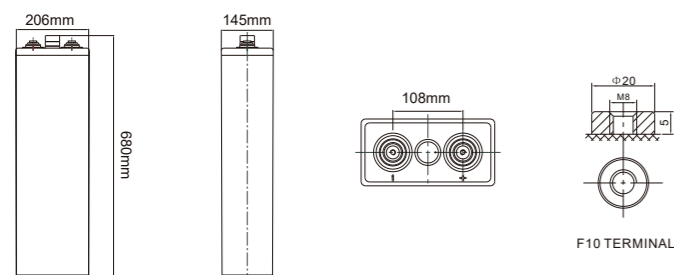
PRODUCT OVERVIEW

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

DRAWING (2V 600AH)



TUBULAR GEL OPzV SERIES

MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(LxWxHxTH)	Weight(kg)
2V200Ah	OPzV-200	2	200	10	103x206x355x390	17.5
2V250Ah	OPzV-250	2	250	10	125x206x355x390	20.5
2V300Ah	OPzV-300	2	300	10	145x206x355x390	25.0
2V350Ah	OPzV-350	2	350	10	125x206x470x506	27.0
2V420Ah	OPzV-420	2	420	10	145x206x470x506	32.0
2V490Ah	OPzV-490	2	490	10	166x206x470x506	38.0
2V600Ah	OPzV-600	2	600	10	145x206x645x681	47.0
2V800Ah	OPzV-800	2	800	10	191x210x645x681	65.0
2V1000Ah	OPzV-1000	2	1,000	10	233x210x645x681	78.0
2V1200Ah	OPzV-1200	2	1,200	10	275x210x645x681	92.0
2V1500Ah	OPzV-1500	2	1,500	10	275x210x795x831	112.0
2V2000Ah	OPzV-2000	2	2,000	10	399x212x77x2807	150.0
2V2500Ah	OPzV-2500	2	2,500	10	487x212x772x807	205.0
2V3000Ah	OPzV-3000	2	3,000	10	576x212x772x807	230.0

TUBULAR GEL OPzS SERIES

2 V 2 0 0 - 3 0 0 0 A h

- Low Self Discharge
- Sealed Construction
- Environmentally friendly
- Maintenance-Free Operation
- Stable Quality & High Reliability Sealed



TUBULAR GEL OPzS SERIES

MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate		Weight(kg)
2V200Ah	OPzS-200	2	217	10	103x206x355x410	17.5
2V250Ah	OPzS-250	2	266	10	125x206x355x410	20.5
2V300Ah	OPzS-300	2	319	10	145x206x355x410	24
2V350Ah	OPzS-350	2	388	10	125x206x470x525	27
2V420Ah	OPzS-420	2	466	10	145x206x470x525	32
2V490Ah	OPzS-490	2	556	10	166x206x470x525	38
2V600Ah	OPzS-600	2	668	10	145x206x645x700	47
2V800Ah	OPzS-800	2	890	10	191x210x645x700	64
2V1000Ah	OPzS-1000	2	1118	10	233x210x645x700	78
2V1200Ah	OPzS-1200	2	1350	10	275x210x645x700	92
2V1500Ah	OPzS-1500	2	1635	10	275x210x795x850	112
2V2000Ah	OPzS-2000	2	2230	10	399x212x771x826	150
2V2500Ah	OPzS-2500	2	2936	10	487x212x771x826	204
2V3000Ah	OPzS-3000	2	3360	10	576x212x771x826	230

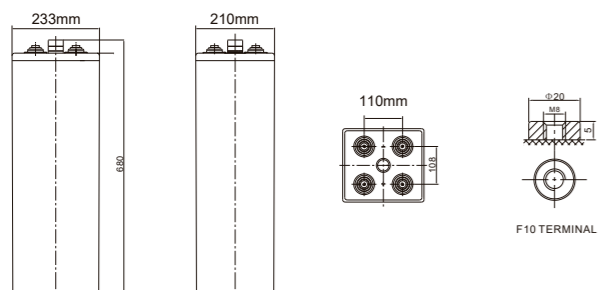
PRODUCT OVERVIEW

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

DRAWING (2V 1000AH)





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