

VRLA BATTERY PRODUCT BROCHURE



Greatest Of All Time Energy
Solution Supplier

AGM BATTERY

FM SERIES

12/6V 1.3-26Ah



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

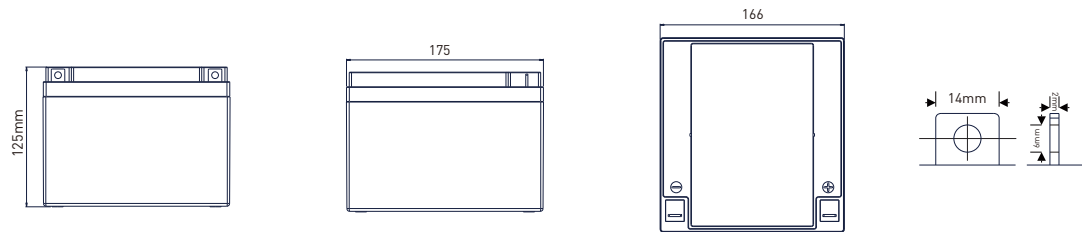
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING(12V 24AH)



MAIN PARAMETERS

Model No.	I em No.	oltage	Ca	e	Si e(L×W×H×TH)	eight(kg)
6V2.8Ah	3-FM-2.8	6	2.8	20	125×33×60×64	0.63
6V4Ah	3-FM-4	6	4.0	20	70×47×100×104	0.68
6V4.5Ah	3-FM-4.5	6	4.5	20	70×47×100×104	0.74
6V7Ah	3-FM-7	6	7.0	20	151×35×94×98	1.13
6V8Ah	3-FM-8	6	8.0	20	151×35×94×98	1.18
6V9Ah	3-FM-9	6	9.0	20	151×35×94×98	1.25
6V10Ah	3-FM-10	6	10.0	20	151×50×94×98	1.55
6V12Ah	3-FM-12	6	12.0	20	151×50×94×98	1.82
12V1.3Ah	6-FM-1.3	12	1.3	20	97×45×52×57	0.57
12V2.3Ah	6-FM-2.3	12	2.3	20	70×48×99×102	0.76
12V4Ah	6-FM-4	12	4.0	20	90×70×101×105	1.30
12V4.5Ah	6-FM-4.5	12	4.5	20	90×70×101×105	1.45
12V5Ah	6-FM--5	12	5.0	20	90×70×101×105	1.55
12V6Ah	6-FM-6	12	6.0	20	151×65×94×98	1.90
12V7Ah	6-FM-7	12	7.0	20	151×65×94×98	2.05
12V7.2Ah	6-FM-7.2	12	7.2	20	151×65×94×98	2.10
12V7.5Ah	6-FM-7.5	12	7.5	20	151×65×94×98	2.20
12V8Ah	6-FM-8	12	8.0	20	151×65×94×98	2.40
12V9Ah	6-FM-9	12	9.0	20	151×65×94×98	2.50
12V10Ah	6-FM-10	12	10	20	151×98×94×98	3.00
12V12Ah	6-FM-12	12	12	20	151×98×94×98	3.60
12V17Ah	6-FM-17	12	17	20	181×77×167×167	5.00
12V18Ah	6-FM-18	12	18	20	181×77×167×167	5.50
12V20Ah	6-FM-20	12	20	20	181×77×167×167	6.00
12V24Ah	6-FM-24	12	24	20	175×166×125×125	7.00
12V26Ah	6-FM-26	12	26	20	175×166×125×125	7.50

AGM BATTERY

GFM SERIES

12V 33-250Ah



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

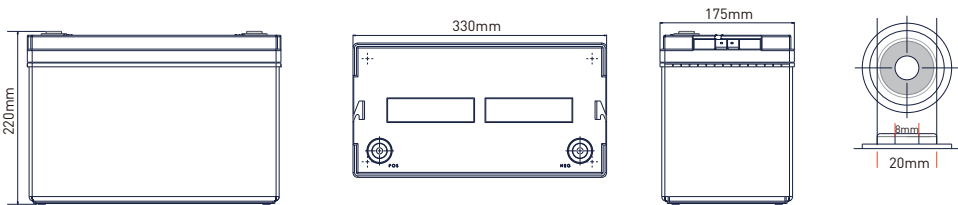
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING (12V 100AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
12V33Ah	6-GFM-33	12	33	10	196×131×161×170	10.80
12V35Ah	6-GFM-35	12	35	10	196×131×161×170	11.50
12V38Ah	6-GFM-38	12	38	10	196×165×170×170	12.00
12V40Ah	6-GFM-40	12	40	10	196×165×170×170	13.20
12V50Ah	6-GFM-50	12	50	10	230×137×210×215	16.30
12V55Ah	6-GFM-55	12	55	10	230×137×210×215	16.60
12V60Ah	6-GFM-60	12	60	10	350×167×174×174	19.30
12V65Ah	6-GFM-65	12	65	10	350×167×174×174	20.00
12V70Ah	6-GFM-70	12	70	10	260×168×209×227	20.60
12V75Ah	6-GFM-75	12	75	10	260×167×213×216	21.80
12V80Ah	6-GFM-80	12	80	10	330×175×218×220	25.50
12V90Ah	6-GFM-90	12	90	10	330×175×218×220	27.50
12V100Ah	6-GFM-100	12	100	10	330×175×218×220	28.50
12V110Ah	6-GFM-110	12	110	10	406×175×236×236	32.80
12V120Ah	6-GFM-120	12	120	10	406×175×236×236	34.60
12V130Ah	6-GFM-130	12	130	10	486×171×243×243	38.50
12V140Ah	6-GFM-140	12	140	10	486×171×243×243	40.00
12V150Ah	6-GFM-150	12	150	10	486×171×243×243	43.00
12V175Ah	6-GFM-175	12	175	10	523×240×219×223	53.00
12V180Ah	6-GFM-180	12	180	10	523×240×219×223	54.00
12V190Ah	6-GFM-190	12	190	10	523×240×219×223	55.60
12V200Ah	6-GFM-200	12	200	10	523×240×219×223	58.00
12V220Ah	6-GFM-220	12	220	10	521×269×203×206	63.00
12V230Ah	6-GFM-230	12	230	10	521×269×203×206	66.50
12V240Ah	6-GFM-240	12	240	10	520×269×220×224	67.00
12V250Ah	6-GFM-250	12	250	10	520×269×220×224	70.00

DEEP CYCLE BATTERIES

DC SERIES

12V 24-250Ah



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

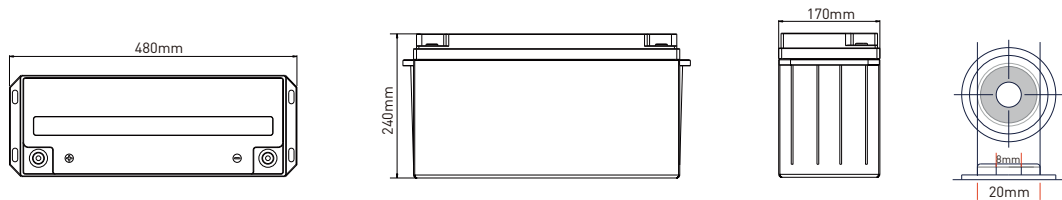
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING(12V 150AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
12V24Ah	6-GFM(D)-24	12	24	10	175×166×125×125	7.30
12V33Ah	6-GFM(D)-33	12	33	10	196×131×161×170	11.00
12V35Ah	6-GFM(D)-35	12	35	10	196×131×161×170	11.50
12V38Ah	6-GFM(D)-38	12	38	10	196×165×170×170	12.80
12V40Ah	6-GFM(D)-40	12	40	10	196×165×170×170	13.50
12V55Ah	6-GFM(D)-55	12	55	10	230×137×210×215	17.50
12V65Ah	6-GFM(D)-65	12	65	10	350×166×175×175	20.80
12V70Ah	6-GFM(D)-70	12	70	10	260×168×217×217	21.80
12V75Ah	6-GFM(D)-75	12	75	10	260×168×217×217	22.00
12V100Ah	6-GFM(D)-100	12	100	10	330×172×219×230	29.00
12V120Ah	6-GFM(D)-120	12	120	10	407×175×213×233	35.00
12V150Ah	6-GFM(D)-150	12	150	10	480×170×240×240	43.00
12V180Ah	6-GFM(D)-180	12	180	10	522×238×221×250	55.00
12V200Ah	6-GFM(D)-200	12	200	10	522×238×221×250	60.00
12V230Ah	6-GFM(D)-230	12	230	10	521×269×203×206	63.50
12V250Ah	6-GFM(D)-250	12	250	10	522×255×221×250	70.00

GEL BATTERIES

GEL SERIES

12V 24-250Ah



PRODUCT OVERVIEW

GEL (Deep Cycle GEL) series is designed for frequent cyclic charge and discharge applications under extreme enviroments. 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

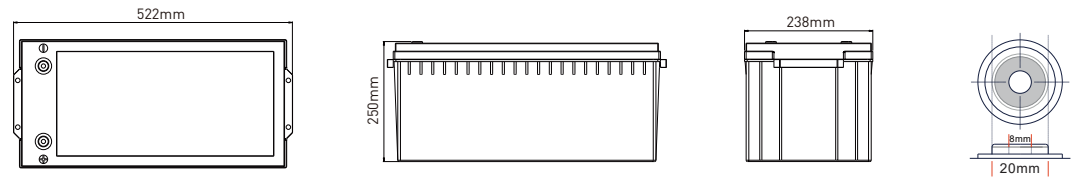
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING (12V 200AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
Gel 12V24Ah	6-GFM(G)-24	12	24	10	175×166×125×125	7.30
Gel 12V33Ah	6-GFM(G)-33	12	33	10	196×131×161×170	11.00
Gel 12V35Ah	6-GFM(G)-35	12	35	10	196×131×161×170	11.50
Gel 12V38Ah	6-GFM(G)-38	12	38	10	196×165×170×170	12.80
Gel 12V40Ah	6-GFM(G)-40	12	40	10	196×165×170×170	13.50
Gel 12V55Ah	6-GFM(G)-55	12	55	10	230×137×210×215	17.50
Gel 12V65Ah	6-GFM(G)-65	12	65	10	350×166×175×175	20.80
Gel 12V70Ah	6-GFM(G)-70	12	70	10	260×168×217×217	21.80
Gel 12V75Ah	6-GFM(G)-75	12	75	10	260×168×217×217	22.00
Gel 12V100Ah	6-GFM(G)-100	12	100	10	330×172×219×230	29.00
Gel 12V120Ah	6-GFM(G)-120	12	120	10	407×175×213×233	35.00
Gel 12V150Ah	6-GFM(G)-150	12	150	10	480×170×240×240	43.00
Gel 12V180Ah	6-GFM(G)-180	12	180	10	522×238×221×250	55.00
Gel 12V200Ah	6-GFM(G)-200	12	200	10	522×238×221×250	60.00
Gel 12V230Ah	6-GFM(G)-230	12	230	10	521×269×203×206	63.50
Gel 12V250Ah	6-GFM(G)-250	12	250	10	522×255×221×250	70.00

2V BATTERIES

GFM 2V SERIES

2V 50-3000Ah



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

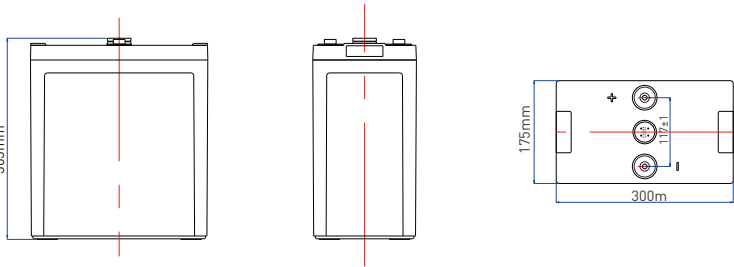
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING (2V 600AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
GFM 2V50Ah	GFM-50	2	50	10	160×50×166×175	3.30
GFM 2V100Ah	GFM-100	2	100	10	170×72×205×228	6.00
GFM 2V150Ah	GFM-150	2	150	10	172×102×208×225	8.60
GFM 2V200Ah	GFM-200	2	200	10	170×110×335×365	13.50
GFM 2V250Ah	GFM-250	2	250	10	171×151×340×365	18.20
GFM 2V300Ah	GFM-300	2	300	10	171×151×340×365	20.00
GFM 2V350Ah	GFM-350	2	350	10	171×151×340×365	21.00
GFM 2V400Ah	GFM-400	2	400	10	210×175×335×365	27.00
GFM 2V450Ah	GFM-450	2	450	10	240×175×338×365	30.00
GFM 2V500Ah	GFM-500	2	500	10	240×175×338×365	31.00
GFM 2V600Ah	GFM-600	2	600	10	300×175×335×365	39.00
GFM 2V800Ah	GFM-800	2	800	10	410×175×330×365	53.50
GFM 2V1000Ah	GFM-1000	2	1000	10	475×175×330×365	62.00
GFM 2V1500Ah	GFM-1500	2	1500	10	398×350×340×385	97.00
GFM 2V2000Ah	GFM-2000	2	2000	10	490×350×340×380	130.00
GFM 2V2500Ah	GFM-2500	2	2500	10	712×353×340×385	172.00
GFM 2V3000Ah	GFM-3000	2	3000	10	712×353×340×385	188.0

FRONT TERMINAL

FA SERIES

12V 50-180Ah



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

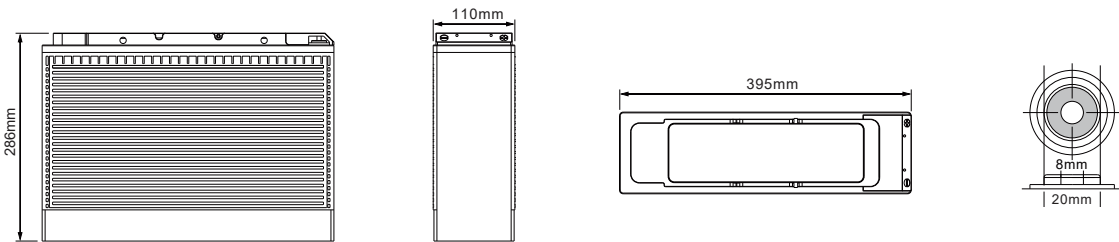
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING (12V 100AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
FA 12V50Ah	6-GFM(F)-50	12	50	10	278×106×222×222	17.00
FA 12V75Ah	6-GFM(F)-75	12	72	10	560×115×188×188	20.00
FA 12V100Ah	6-GFM(F)-100	12	100	10	395×110×286×286	30.00
FA 12V105Ah	6-GFM(F)-105	12	105	10	508×110×225×225	32.00
FA 12V110Ah	6-GFM(F)-110	12	110	10	395×110×286×286	33.00
FA 12V125Ah	6-GFM(F)-125	12	125	10	550×105×315×315	41.00
FA 12V155Ah	6-GFM(F)-155	12	155	10	550×110×288×288	49.00
FA 12V170Ah	6-GFM(F)-170	12	170	10	545×125×325×325	51.00
FA 12V180Ah	6-GFM(F)-180	12	180	10	545×125×325×325	53.80
FAG 12V50Ah	6-GFM(FG)-50	12	50	10	278×106×222×222	17.00
FAG 12V75Ah	6-GFM(FG)-75	12	72	10	560×115×188×188	20.00
FAG 12V100Ah	6-GFM(FG)-100	12	700	10	395×110×286×286	30.00
FAG 12V105Ah	6-GFM(FG)-105	12	105	10	508×110×225×225	32.00
FAG 12V110Ah	6-GFM(FG)-110	12	110	10	395×110×286×286	33.00
FAG 12V125Ah	6-GFM(FG)-125	12	125	10	550×105×315×315	41.00
FAG 12V155Ah	6-GFM(FG)-155	12	155	10	550×110×288×288	49.00
FAG 12V170Ah	6-GFM(FG)-170	12	170	10	545×125×325×325	51.00
FAG 12V180Ah	6-GFM(FG)-180	12	180	10	545×125×325×325	53.80

TUBULAR GEL

OPzV SERIES

2V 200-3000Ah



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

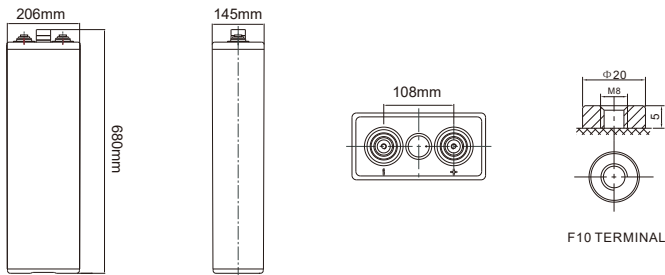
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING (2V 600AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
2V200Ah	OPzV-200	2	200	10	103×206×355×390	17.5
2V250Ah	OPzV-250	2	250	10	125×206×355×390	20.5
2V300Ah	OPzV-300	2	300	10	145×206×355×390	25.0
2V350Ah	OPzV-350	2	350	10	125×206×470×506	27.0
2V420Ah	OPzV-420	2	420	10	145×206×470×506	32.0
2V490Ah	OPzV-490	2	490	10	166×206×470×506	38.0
2V600Ah	OPzV-600	2	600	10	145×206×645×681	47.0
2V800Ah	OPzV-800	2	800	10	191×210×645×681	65.0
2V1000Ah	OPzV-1000	2	1,000	10	233×210×645×681	78.0
2V1200Ah	OPzV-1200	2	1,200	10	275×210×645×681	92.0
2V1500Ah	OPzV-1500	2	1,500	10	275×210×795×831	112.0
2V2000Ah	OPzV-2000	2	2,000	10	399×212×77×2807	150.0
2V2500Ah	OPzV-2500	2	2,500	10	487×212×772×807	205.0
2V3000Ah	OPzV-3000	2	3,000	10	576×212×772×807	230.0

TUBULAR GEL

OPzS SERIES

2V 200-3000Ah



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-II 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

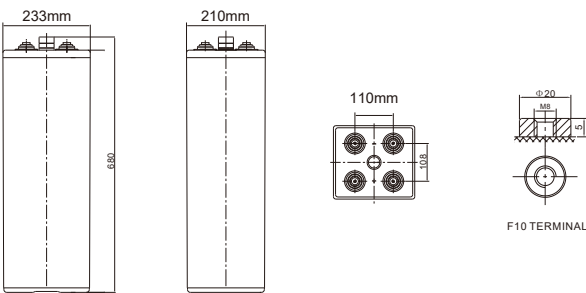
Fire & Security

Marine Equipment

Medical Equipment

UPS

DRAWING (2V 1000AH)



MAIN PARAMETERS

Model No.	Item No.	Voltage	Capacity	Hr Rate	Size(L×W×H×TH)	Weight(kg)
2V200Ah	OPzS-200	2	217	10	103×206×355×410	17.5
2V250Ah	OPzS-250	2	266	10	125×206×355×410	20.5
2V300Ah	OPzS-300	2	319	10	145×206×355×410	24
2V350Ah	OPzS-350	2	388	10	125×206×470×525	27
2V420Ah	OPzS-420	2	466	10	145×206×470×525	32
2V490Ah	OPzS-490	2	556	10	166×206×470×525	38
2V600Ah	OPzS-600	2	668	10	145×206×645×700	47
2V800Ah	OPzS-800	2	890	10	191×210×645×700	64
2V1000Ah	OPzS-1000	2	1118	10	233×210×645×700	78
2V1200Ah	OPzS-1200	2	1350	10	275×210×645×700	92
2V1500Ah	OPzS-1500	2	1635	10	275×210×795×850	112
2V2000Ah	OPzS-2000	2	2230	10	399×212×771×826	150
2V2500Ah	OPzS-2500	2	2936	10	487×212×771×826	204
2V3000Ah	OPzS-3000	2	3360	10	576×212×771×826	230

