



VRLA BATTERIES

PRODUCT SERIES

Lead Acid Battery Series

- MK Series (0.8Ah-28Ah)
- MK Series (33Ah-260Ah)
- MK Series (2V100Ah-3000Ah)
- FT Series (Front Terminal)
- Deep Cycle Series
- Pure GEL Series
- HR Series (High Rate)
- OPzV&OPzS Series
- Motorcycle Series
- DZF/EVF Series (Traction Battery)

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- Product Advantages
 - Charge-Discharge Curve

MK Series[®]

(0.8Ah-28Ah)

VRLA BATTERIES



Product Characteristics

- Voltage level: 4V, 6V, 12V.
- Design life: 5 years.
- Sealing reaction efficiency: ≥ 98%.
- Capacity range (C20): 0.8Ah-28Ah.
- Low self-discharging rate: ≤ 3% / month (25°C).
- Wide range operating temperature: -20°C ~ 50°C.

Main Application Fields

- Warning system.
- Medical instrument.
- UPS / EPS power supply.
- Portable measuring device.
- Emergency lighting equipment.
- Various types of signal systems.
- Various range finding instruments.
- Video camera.
- Lighting equipment.
- Telecom and power equipment.
- Power station emergency power system.
- Portable power supply, video player, radio.
- Electric toys, lawn mower, vacuum cleaner and other electric tools.
- Office computer, microcomputer process and OA equipment.



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MK 4-4	4	4.0	47	47	101	107	T1	D
MK 4.5-4	4	4.5	47	47	101	107	T1	D
MK 6.5-4	4	6.5	70.5	47	116	125	T1	E
MK 1.0-6	6	1.0	50	42	50.5	55	T1	E
MK 1.2-6	6	1.2	97	24	52	58	T1	C
MK 2.8-6	6	2.8	66	34	95	106	T1	E
MK 3-6	6	3.0	48	48	86	86	T1	C
MK 3.2-6	6	3.2	134	34	62	68	T1	C
MK 4-6	6	4.0	70	47	101	107	T1	E
MK 4.5-6	6	4.5	70	47	101	107	T1,T2	E
MK 5-6	6	5.0	70	47	101	107	T1,T2	E
MK 6-6	6	6.0	70	47	106	106.3	T1	E
MK 7-6	6	7.0	151	34	95	101	T1,T2	C
MK 8.5-6	6	8.5	98	57	116	116	T1,T2	F
MK 9-6	6	9.0	151	34	95	101	T2	C
MK 10-6	6	10	151	50	93.5	100	T1,T2	C
MK 14-6	6	14	108	71	139	139	T1,T2	K
MK 1.2-12	12	1.2	97	42.5	51.5	57.5	T1	B
MK 1.9-12	12	1.9	178	36	61	67	T1	C
MK 2.3-12	12	2.3	176	34	60	66	T1	C
MK 2.8-12	12	2.8	70	46	98	104	T1,T2	C
MK 3.2-12	12	3.2	134	67	60.3	66	T1	B
MK 3.5-12	12	3.5	90	70.4	100.5	100.5	T1	L
MK 4-12	12	4.0	90	70	100	106	T1,T2	L
MK 4.5-12	12	4.5	90	70	100	106	T1,T2	L
MK 5-12	12	5.0	90	70	100	106	T1,T2	L
MK 6.5-12	12	6.5	151	65	94	100	T1,T2	A
MK 7-12	12	7.0	151	65	94	100	T1,T2	A
MK 7.2-12	12	7.2	151	65	94	100	T1,T2	B
MK 7.5-12	12	7.5	151	65	94	100	T1,T2	A
MK 8-12	12	8.0	151	65	94	100	T1,T2	A
MK 9-12	12	9.0	151	65	94	100	T1,T2	A
MK 10-12	12	10	151	98.5	95	101	T1/T2	A
MK 12-12	12	12	151	98.5	95	101	T1/T2	A
MK 15-12	12	15	181	76.5	169	169	M5	D
MK 17-12	12	17	181	77	168	168	M5	D
MK 18-12	12	18	181	77	168	168	M6	D
MK 20-12	12	20	181	77	168	168	T2 /M5/M5	D
MK 22-12	12	22	181	77	168	168	M6/M5	D
MK 24-12	12	24	166	175	127	127	M6	D
MK 25-12	12	25	166	175	127	127	M6	B
MK 28-12	12	28	166	125	175	175	M6	D

MK Series[®]

(33Ah-260Ah)

VRLA BATTERIES



Product Characteristics

- Voltage level: 6V, 12V.
- Design life: 10 years.
- Sealing reaction efficiency: ≥98%.
- Capacity range (C10): 33Ah-260Ah.
- Low self-discharging rate: ≤3% / month (25°C).
- Wide range operating temperature : -20°C ~ 50°C.

Main Application Fields

- Computer system: UPS, etc.
- Station and dock: signal light, instrument, etc.
- User system: monitoring, interphone, emergency lighting, elevator, etc.
- Telecom and electricity: post and telecom, power station, power transmission, etc.
- Underground mine: miner's lamp, transport vehicle, UPS power supply, lighting system.
- Tourism and entertainment: electric toy, signal light, instrument, emergency light, etc.
- Aerospace and navigation: ship, fishing boat, fishing light, beacon light, precision instrument, etc.
- Bank and school, shopping mall and hospital: UPS power supply, precision instrument, emergency light, etc.
- National defense and military industry: aircraft, tank, armored vehicle, artillery, mobile power supply, etc.



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MK 180-6	6	180	307	169	222	225	M8	B
MK 200-6	6	200	307	169	222	225	M8	F
MK 225-6	6	225	260	180	248	251	M6	F
MK 32-12	12	32	198	131	155	177	M6	C
MK 35-12	12	35	198	131	155	164	M8	C
MK 36-12	12	36	198	131	155	170	M6	C
MK 38-12	12	38	196	165	175	182	M6	D
MK 40-12	12	40	196	165	175	182	M6	D
MK 45-12	12	50	197	166	169	169	M6	D
MK 50-12	12	50	196	165	175	182	M6	D
MK 55-12	12	55	229	136	210	232	M8.5	C
MK 60-12	12	60	261	167	184	188	M6	D
MK 65-12	12	65	351	166	173	184	M6	D
MK 70-12	12	70	259	168	210	232	M8	C
MK 75-12	12	75	259	168	210	232	M8	C
MK 80-12	12	80	351	166	176	176	M6	D
MK 90-12	12	90	306	169	208	232	M8	C
MK 100-12	12	100	332	175	215	223	M8/M6	C
MK 110-12	12	110	332	175	215	243	M8.5	C
MK 120-12	12	120	408	174	233	240	M6/M8/M10	C
MK 134-12	12	134	341	173	283	285	M6	C
MK 150-12	12	150	483	170	242	242	M6/M8	C
MK 180-12	12	180	530	209	214	240	M8	B
MK 200-12	12	200	530	209	214	240	M8	B
MK 250-12	12	250	520	268	220	245	M8	B
MK 260-12	12	260	520	268	220	245	M8	B

MK Series[®]

(2V100Ah-3000Ah)

VRLA BATTERIES



Product Characteristics

- Voltage level: 2V.
- Design life : More than 12 years.
- Sealing reaction efficiency: ≥ 98%.
- Capacity range (C10): 100Ah-3000Ah.
- Low self-discharging rate: ≤ 3% / month (25°C).
- Wide range operating temperature : -20°C ~ 50°C.

Main Application Fields

- Fire alarm system.
- Substation switch control.
- Telecom backup power supply.
- Solar energy, wind energy system.
- Network lighting node, mobile station.
- Power plant, hydropower station spare power.



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MK100-2	2	100	171	72	206	224	M8	G
MK120-2	2	120	171	72	206	224	M8	G
MK150-2	2	150	171	101	206	216	M8	G
MK200-2	2	200	171	106	332	365	M8	G
MK300-2	2	300	170	150	332	365	M8	G
MK400-2	2	400	210	171	353	367	M8	H
MK500-2	2	500	243	173	330	364	M8	H
MK600-2	2	600	304	175	331	366	M8	H
MK800-2	2	800	410	175	335	365	M8	I
MK1000-2	2	1000	475	171	331	364	M8	I
MK1200-2	2	1200	475	171	331	364	M8	I
MK1500-2	2	1500	401	351	378	378	M8	I
MK2000-2	2	2000	490	350	345	345	M8	I
MK3000-2	2	3000	712	353	341	341	M8	I

FT Series[®]

(Front Terminal)

VRLA BATTERIES



Product Characteristics

- Voltage level: 12V.
- Design life: More than 12 years.
- Sealing reaction efficiency: ≥98%.
- Capacity range (C10): 50ah-200ah.
- Low self-discharging rate: ≤3% / month (25°C).
- Wide range operating temperature: -20°C ~ 50°C.

Main Application Fields

- Standby power such as UPS / EPS.
- Dedicated or local area network power system.
- Access network device for communication system.
- Applicable to 19inch, 23inch standard power cabinet.



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MF 50-12	12	50	277	106	222	222	M6	B
MF100-12	12	100	397	110	286	286	M6	B
MF105-12	12	105	507	110	238	238	M6	B
MF120-12	12	120	551	110	239	239	M8	A
MF150-12	12	150	551	110	288	288	M8	B
MF170-12	12	170	560	125	317	317	M8	B
MF180-12	12	180	560	125	317	317	M8	B
MF190-12	12	190	560	125	317	317	M8	B
MF200-12	12	200	560	125	317	317	M8	B

Deep Cycle Series[™]

VRLA BATTERIES



Product Characteristics

- Voltage level: 12V, 2V.
- Design life : More than 12 years.
- Sealing reaction efficiency: ≥ 98%.
- Capacity range: 17Ah-3000Ah.
- Low self-discharging rate: ≤ 3% / month (25°C).
- Wide range operating temperature : -30 °C ~ 60 °C.

Main Application Fields

- Wind energy storage system.
- Solar photovoltaic storage system.



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MD200-6	6	200	307	169	214	225	M8	F
MD225-6	6	225	260	180	248	251	M6	F
MD17-12	12	17	181	77	168	168	M5	D
MD18-12	12	18	181	77	168	168	M6	D
MD20-12	12	20	181	77	168	168	T2 /M5	D
MD22-12	12	22	181	77	168	168	M6/M5	D
MD24-12	12	24	166	175	127	127	M6	D
MD26-12	12	26	166	125	175	175	M6	D
MD28-12	12	28	166	125	175	175	M6	D
MD35-12	12	35	198	131	155	170	M6	C
MD36-12	12	36	198	131	155	170	M6	C
MD38-12	12	38	196	165	175	182	M6	D
MD40-12	12	40	196	165	175	182	M6	D
MD50-12	12	50	197	166	169	175	M6	D
MD55-12	12	55	229	136	210	232	M8	D
MD60-12	12	60	261	167	184	188	M6	D
MD65-12	12	65	351	166	173	184	M6	C
MD70-12	12	70	259	168	210	232	M8	C
MD75-12	12	75	259	168	210	232	M8	C
MD80-12	12	80	351	166	176	176	M6	D
MD90-12	12	90	306	169	208	232	M8	C
MD100-12	12	100	332	175	215	243	M8/M6	C
MD110-12	12	110	332	175	215	243	M8	C
MD120-12	12	120	408	174	233	240	M6/M8	C
MD134-12	12	134	341	173	283	285	M6	C
MD150-12	12	150	483	170	242	242	M6/M8	C
MD180-12	12	180	530	209	214	240	M8	B
MD200-12	12	200	530	209	214	240	M8	B
MD250-12	12	250	520	268	220	245	M8	B
MD100-2	2	100	171	72	206	224	M8	G
MD120-2	2	120	171	72	206	224	M8	G
MD150-2	2	150	171	101	206	206	M8	G
MD200-2	2	200	171	106	332	365	M8	G

Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MD 300-2	2	300	170	150	343	356	M8	G
MD 400-2	2	400	210	171	353	367	M8	H
MD 500-2	2	500	241	171	331	366	M8	H
MD 600-2	2	600	304	175	331	366	M8	H
MD 800-2	2	800	410	175	335	355	M8	I
MD 1000-2	2	1000	475	171	331	355	M8	I
MD 1200-2	2	1200	475	171	331	364	M8	I
MD 1500-2	2	1500	401	351	378	378	M8	I
MD 2000-2	2	2000	490	350	343	343	M8	I
MD 3000-2	2	3000	712	353	341	341	M8	I

Pure GEL Series[®]

VRLA BATTERIES



Product Characteristics

- Voltage level: 2V, 6V, 12V.
- Design life: More than 15 years.
- Sealing reaction efficiency: $\geq 98\%$.
- Capacity range (C10): 38Ah-500Ah.
- Low self-discharging rate: $\leq 3\%$ / month (25°C).
- Wide range operating temperature: $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$.

Main Application Fields

- Various recycling.
- Computer system: UPS, etc.
- Aerospace and navigation: ship, fishing boat, fish light, beacon light, etc.
- Tourism and entertainment: electric toy, signal light, instrument, emergency light.
- Telecom and electricity: post and telecom, power station, power transmission, etc.
- Underground mine: miner's lamp, transport vehicle, UPS power supply, lighting system, etc.
- Natural energy system: solar energy, wind energy, geothermal energy, flood energy system, etc.
- Bank and school, shopping mall and hospital: UPS power supply, precision instrument, emergency light, etc.
- National defense and military industry: aircraft, tank, armored vehicle, artillery, ship, nuclear submarine, radar system, missile launch system, etc.



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal	
			Length	Width	Height	Total Height	Model	Position
MG150-6	6	150	260	180	269	269	M8	F
MG38-12	12	38	196	165	175	182	M6	D
MG55-12	12	55	229	136	210	232	M6	C
MG70-12	12	70	259	168	210	232	M6	C
MG90-12	12	90	306	169	208	212	M6	C
MG100-12	12	100	332	175	215	243	M6	C
MG150-12	12	150	483	170	242	242	M8	C
MG180-12	12	180	530	209	214	240	M8	B
MG200-12	12	200	522	240	219	223	M8	B
MG250-12	12	250	520	268	220	245	M8	B
MG500-2	2	500	241	171	331	364	M8	G

HR Series[®] (High Rate)

VRLA BATTERIES



Product Characteristics

- Voltage level: 12V.
- Design life: More than 15 years.
- Sealing reaction efficiency: ≥ 98%.
- Power range(C10):28W-870W
- Low self-discharging rate:≤3% / month (25°C).
- Wide range operating temperature : -20°C ~ 50°C.

Main Application Fields

- Warning system.
- Medical instruments.
- UPS / EPS power supply.
- Power station emergency system.
- Various range finding instruments.
- Computer processor and OA equipment.
- Communication and power equipment.



Models And Parameters

Model	5min(w)	10min(w)	15min(w)	Dimension (mm)				Terminal
				Length	Width	Height	Total Height	
MH12-28W	53	36	28	151	65	94	100	T2
MH12-36W	71	49	36	151	65	94	100	T2
MH12-75W	122	92.6	75	181	77	168	168	M6
MH12-110W	176.7	134.2	110	166	175	127	127	M6
MH12-145W	202.9	159.9	145	196	131	155	166	M6
MH12-165W	242.4	191.2	165	197	165	170	170	M6
MH12-225W	333	262	225	229	136	210	215	M6
MH12-255W	390	308	255	348	167	177	177	M6
MH12-295W	450	355	295	260	168	211	216	M6
MH12-360W	555	438	360	306	169	208	214	M8
MH12-400W	604	477	400	332	175	215	219	M8
MH12-455W	714	564	455	409	177	224	224	M8
MH12-560W	858	694	560	480	170	242	242	M8
MH12-590W	868	702	590	530	209	214	219	M8
MH12-620W	1010	785	620	530	209	214	219	M8
MH12-700W	1140	890	700	522	240	219	223	M8
MH12-760W	1230	954	760	522	240	219	223	M8
MH12-780W	1245	960	780	522	240	219	223	M8
MH12-800W	1300	1015	800	522	240	219	223	M8
MH12-870W	1368	1073	870	520	268	220	224	M8

OPzV&OPzS Series[®]

VRLA BATTERIES



Product Characteristics

OPzV and OPzS series batteries designed by advanced technology of tubular plates, PVC separators and pure gel.

- Voltage level : 2V/12V
- Design life: More than 20 years.
- Sealing reaction efficiency: ≥ 98%.
- Capacity range (10HR): 100ah~3000ah.
- Low self-discharging rate: ≤ 3% / month (25°C).
- Wide range operating temperature: -30°C ~ 60°C.

Main Application Fields

- Computer system: UPS, etc.
- Solar photovoltaic storage system.
- Station and dock: signal light, instrument, etc.
- Bank and school, shopping mall and hospital: UPS power supply, precision instrument, emergency light, etc.
- Underground mine: miner's lamp, transport vehicle, UPS power supply, lighting system, etc.
- Telecom and electricity: post and telecom, power station, power transmission, etc.



Models And Parameters

Model	Nominal Voltage (V)	Capacity C10/1.80VPC (Ah)	Dimension (mm)				Terminal
			Length	Width	Height	Total Height	
MO100-12	12	100	470	173	208	233	M8
MO150-12	12	150	532	207	210	215	M8
MO200-12	12	200	522	270	220	243	M8
MO100-2	2	100	103	206	354	390	M8
MO150-2	2	150	103	206	354	390	M8
MO200-2	2	200	103	206	354	390	M8
MO250-2	2	250	124	206	354	390	M8
MO300-2	2	300	145	206	354	390	M8
MO350-2	2	350	124	206	471	506	M8
MO420-2	2	420	145	206	471	506	M8
MO500-2	2	500	166	206	471	506	M8
MO600-2	2	600	145	206	646	681	M8
MO700-2	2	700	254	210	471	506	M8
MO770-2	2	770	254	210	471	506	M8
MO800-2	2	800	191	210	646	681	M8
MO1000-2	2	1000	233	210	646	681	M8
MO1200-2	2	1200	275	210	646	681	M8
MO1500-2	2	1500	275	210	796	831	M8
MO2000-2	2	2000	399	212	772	807	M8
MO2250-2	2	2250	487	212	772	807	M8
MO2500-2	2	2500	487	212	772	807	M8
MO3000-2	2	3000	576	212	772	807	M8
MO100-2	2	100	103	206	354	409	M8
MO150-2	2	150	103	206	354	409	M8
MO200-2	2	200	103	206	354	409	M8
MO250-2	2	250	124	206	354	409	M8
MO300-2	2	300	145	206	354	409	M8
MO350-2	2	350	124	206	470	525	M8
MO420-2	2	420	145	206	470	525	M8
MO500-2	2	500	166	206	470	525	M8
MO600-2	2	600	145	206	645	700	M8
MO800-2	2	800	191	210	645	700	M8
MO1000-2	2	1000	233	210	645	700	M8
MO1200-2	2	1200	275	210	645	700	M8
MO1500-2	2	1500	275	210	795	850	M8
MO2000-2	2	2000	399	210	771	826	M8
MO2500-2	2	2500	487	212	771	826	M8
MO3000-2	2	3000	576	212	771	826	M8

Motorcycle Series

VRLA BATTERIES



Product Characteristics

- Voltage level: 12V.
- Design life: More than 5 years.
- Sealing reaction efficiency: $\geq 98\%$.
- Low self-discharging rate: $\leq 3\%$ / month (25°C).
- Wide range operating temperature: -20°C ~ 50°C.

Main Application Fields

- Motorcycle
- Dune buggy
- Snowmobile



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Weight (kg)
			Length	Width	Height	Total Height	
MC 3.95-12	12	3.95	113	70	89	89	1.30
MC 4-12	12	4	113	70	89	89	1.30
MC 5-12	12	5	113	70	109	109	1.78
MC 5.3-12	12	5.3	113	70	109	109	1.78
MC 6.5-12	12	6.5	139	66	102	102	2.00
MC 7-12	12	7	114	69	131	131	2.16
MC 8.6-12	12	8.6	151	87	94	94	2.45
MC 9-12	12	9	136	76	133	133	2.50
MC 11.5-12	12	11.5	150	87	105	105	2.75
MC 12-12	12	12	151	87	130	130	3.58
MC 13.5-12	12	13.5	151	87	130	130	3.58
MC 14-12	12	14	150	87	161	161	4.40
MC 14.2-12	12	14.2	151	87	145	145	4.00
MC 20-12	12	20	175	100	157	157	6.20
MC 21-12	12	21	205	87	162	162	5.80
MC 30-12	12	30	177	127	168	168	9.20

DZF/EVF Series⁺

(Traction Power Battery)

VRLA BATTERIES



Product Characteristics

- Voltage level: 6V, 8V, 12V.
- Design life: More than 5 years.
- Sealing reaction efficiency: ≥ 98%.
- Low self-discharging rate: ≤ 3% / month (25°C).
- Wide range operating temperature: -20°C ~ 50°C.

Main Application Fields

- Golf cart
- Electric vehicle
- Electric wheelchair
- Electric tricycle
- Electric forklift



Models And Parameters

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Terminal
			Length	Width	Height	Total Height	
MT 200-6	6	220	260	180	269	275	M8
MT 300 -6	6	300	296	178	346	368	M8
MT 400 -6	6	400	296	178	404	426	M8
MT 150 -8	8	150	260	180	280	280	M8
MT 12 -12	12	12	151	99	98	102	M5
MT 12.8 -12	12	12.8	151	99	98	102	M5
MT 13 -12	12	13	151	99	98	102	M5
MT 14 -12	12	14	151	99	98	102	M5
MT 21 -12	12	21	181	77	170	172	M5
MT 21.8 -12	12	21.8	181	77	170	172	M5
MT 22.8 -12	12	22.8	181	77	170	172	M5
MT 24 -12	12	24	181	77	170	172	M5
MT 24 -12	12	24	175	166	125	128	M5
MT 28 -12	12	28	318	80	129	130	M5
MT 32 -12	12	32	220	93	175	175	M5
MT 35 -12	12	35	267	77	170	172	M5
MT 38 -12	12	38	222	106	175	175	M5
MT 41 -12	12	41	224	121	174	174	M5
MT 45 -12	12	45	223	120	175	177	M5
MT 48 -12	12	48	223	120	175	177	M5
MT 52 -12	12	52	223	135	176	178	M5
MT 58 -12	12	58	223	135	176	178	M5
MT 60 -12	12	60	260	150	178	178	M5
MT 65 -12	12	58	260	151	178	178	M5
MT 70 -12	12	70	260	168	210	211	M6
MT 80 -12	12	80	260	168	210	211	M6
MT 100 -12	12	100	332	175	215	219	M8
MT 105 -12	12	105	332	175	215	219	M8
MT 108 -12	12	108	332	175	215	219	M8
MT 110 -12	12	110	332	175	215	219	M8
MT 120 -12	12	120	406	173	240	240	M8
MT 150 -12	12	150	483	171	240	240	M8

Product Advantages

Longer Life

High-strength tight assembly process improve the tightness of battery assembly, prevent live material from falling off, and improve battery service life. Low acid specific gravity electrolyte can improve the battery charge acceptance ability and enhance the battery deep discharge cycle ability. Increase the acid design to ensure that the battery will not shorten its service life due to electrolyte depletion. Therefore, the normal floating charge design life of GFM series battery can reach more than 15 years(25°C).

High Rate Discharging Excellent Performance

With high-strength tight assembling process, the internal resistance of the battery is smaller, and the high current discharging characteristic is excellent, which is 20% higher than the general battery.

Low Self-Discharging

With high-purity raw materials and special manufacturing process, small self-discharging, our battery can be stored at room temperature for more than half year without charging.

Simple Maintenance

The special oxygen absorption cycle design overcomes the phenomenon of electrolytic water loss during the charging process. The water of the electrolyte hardly reduce during the using process. Therefore, the battery does not need to add water.

High Security

A special safety valve is installed inside the battery, which can effectively isolate external sparks and will not cause explosion.

Simple installation

The battery can be installed vertically, horizontally or in layers. It covers a small area and flexible.

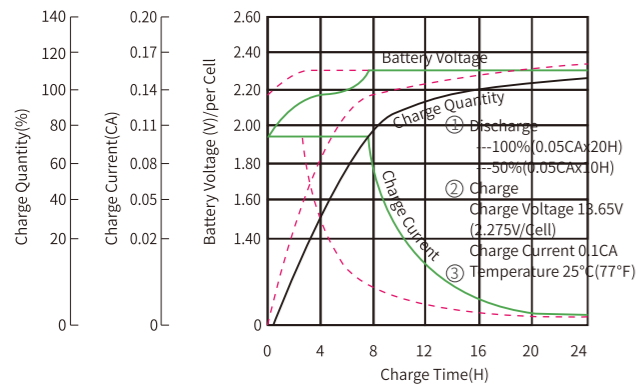
Clean and environmentally friendly

The battery will not produce acid mist during using, and will not corrode environment. The battery can be directly installed in the office or supporting equipment room without anti-corrosion treatment.

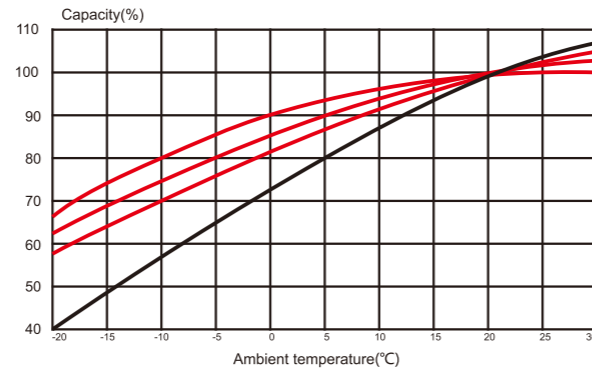
Charge-Discharge Curve

Lead Acid Series Diagram

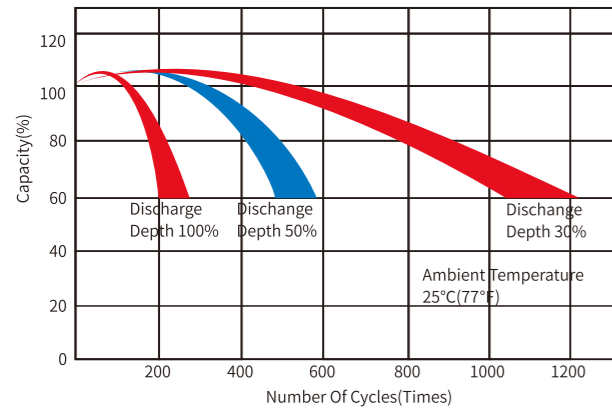
Charging Characteristics



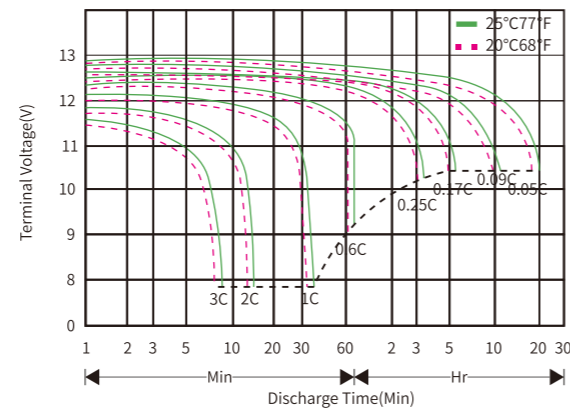
Curves Of Discharge Capacity And Ambient Temperature



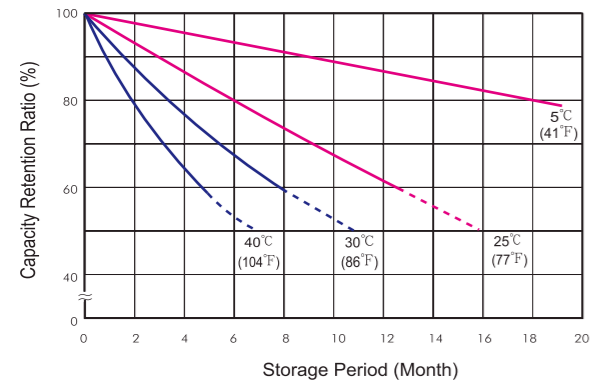
Battery Cycle Life



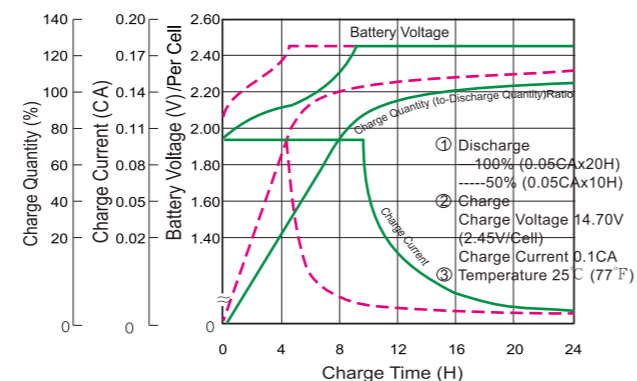
Terminal Voltage And Discharge Time



Capacity Retention Characteristic



Battery Voltage And Charge Time For Cycle Use



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