



CHINA RITAR POWER CORP.



VRLA BATTERY PRODUCT MANUAL



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Ritar---Listed in Nasdaq



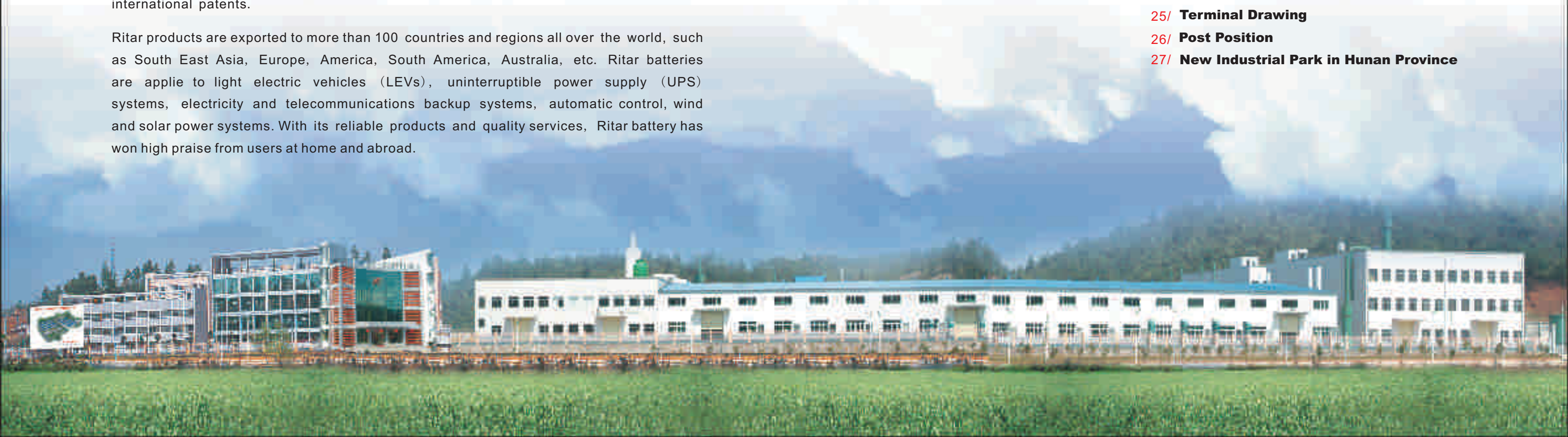
China Ritar Power Corp. is a Sealed Lead Acid (SLA) battery company listed in Nasdaq. Established in May 2002, Ritar manufactures and sells environmentally friendly Sealed Lead Acid (SLA) batteries. Ritar introduces and develops advanced technology, and adopts the world's most advanced production equipments and testing measures to ensure long product life, high energy density, and environmental protection features such as cadmium-free, leading the domestic counterparts.

The company is a high-tech enterprise headquartered in Nanshan District, Shenzhen, China, and has a manufacturing base in Fuyong Town, Shenzhen and a new industrial park in Hengyang, Hunan Province. It has approximately 2,000 employees, including two professors who have experience over 40 years in batteries research, and over 50 research engineers. Ritar also has invested strongly in domestic and foreign institutions and scientific research institutions to overcome difficulties in battery technology; The performance of the batteries independently researched and developed by Ritar has met and exceeded international standards, and a variety of technologies have been granted national and international patents.

Ritar products are exported to more than 100 countries and regions all over the world, such as South East Asia, Europe, America, South America, Australia, etc. Ritar batteries are applied to light electric vehicles (LEVs), uninterruptible power supply (UPS) systems, electricity and telecommunications backup systems, automatic control, wind and solar power systems. With its reliable products and quality services, Ritar battery has won high praise from users at home and abroad.

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Application

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

Compliant Standards

- GB/T19639 - 2005
- JIS C8702 - 2006
- IEC 61056 - 2002
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE and TLC certificate.

Main Parameters

Model	Nominal Voltage	Capacity C ₂₀	Weight		Terminal Type	Dimension								Internal Resistance	Short Circuit Current	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
	(V)	(Ah)			mm	inch	mm	inch	mm	inch	mm	inch	(mΩ@25°C)	(A)		
RT613	6	1.3	0.68	0.31	F1	97	3.82	24	0.94	52	2.05	58	2.28	50	68	C
RT628	6	2.8	1.17	0.53	F1	66	2.60	33	1.30	98	3.86	104	4.09	25	146	A
RT632	6	3.2	1.43	0.65	F1	134	5.28	35	1.38	61	2.40	67	2.64	25	166	C
RT636	6	3.4	1.43	0.65	T1	194	7.64	25	0.98	62	2.44	62	2.44	32	187	N
RT640	6	4.0	1.43	0.65	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	23	210	A
RT640S	6	4.0	1.65	0.75	T1	194	7.64	25	0.98	62	2.44	62	2.44	33	208	N
RT645	6	4.5	1.59	0.72	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	23	234	A
RT650	6	5.0	1.65	0.75	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	20	250	A
RT655	6	5.3	1.76	0.80	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	20	275	A
RT670	6	7.0	2.54	1.15	F1/F2	151	5.94	34	1.34	94	3.70	100	3.94	12	350	C
RT680	6	8.0	2.65	1.20	F1/F2	151	5.94	34	1.34	94	3.70	100	3.94	12	400	C
RT6100	6	10	3.64	1.65	F1/F2	151	5.94	50	1.97	95	3.74	100	3.94	9	500	C
RT6120	6	12	3.97	1.80	F1/F2	151	5.94	50	1.97	95	3.74	100	3.94	8	600	C
RT1208	12	0.8	0.82	0.37	T9	96	3.78	25	0.98	61	2.40	61	2.40	250	52	M
RT1213	12	1.3	1.32	0.60	F1	97	3.82	43	1.69	52	2.05	58	2.28	95	68	E
RT1223	12	2.3	2.14	0.97	F1	178	7.01	35	1.38	61	2.40	67	2.64	50	120	C
RT1223E	12	2.2	1.83	0.83	F1	178	7.01	35	1.38	61	2.40	67	2.64	60	112	C
RT1232	12	3.2	2.87	1.30	F1	134	5.28	67	2.64	61	2.40	67	2.64	45	166	E
RT1245	12	4.5	3.09	1.40	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	38	234	C
RT1245S	12	4.5	3.09	1.40	F1/F2	195	7.68	47	1.85	70	2.76	76	2.99	40	225	C
RT1250	12	5.0	3.53	1.60	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	35	250	C
RT1250B	12	5.0	3.97	1.80	F1/F2	151	5.94	70	2.76	101	3.98	107	4.21	30	245	C
RT1255	12	5.3	3.75	1.70	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	35	275	C
RT1270E	12	7.0	4.41	2.00	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	30	350	F
RT1270EL	12	6.8	4.63	2.10	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	30	350	F
RT1272	12	7.2	4.74	2.15	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	25	360	F
RT1275	12	7.5	4.85	2.20	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	25	375	F
RT1280	12	8.0	4.98	2.26	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	25	400	F
RT1290	12	9.0	5.62	2.55	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	18	450	F
RT1290S	12	9.0	5.91	2.68	F1/F2	151	5.94	65	2.56	111	4.37	117	4.61	18.5	440	F
RT12100S	12	10	7.06	3.20	F1/F2	151	5.94	65	2.56	111	4.37	117	4.61	15	475	F
RT12100	12	10	7.06	3.20	F1/F2	151	5.94	98	3.86	95	3.74	101	3.98	17	550	F
RT12120	12	12	7.94	3.60	F1/F2	151	5.94	98	3.86	95	3.74	101	3.98	16	590	F
RT12180	12	18	11.03	5.00	F3 / F13	181	7.13	77	3.03	167	6.57	167	6.57	14	750	D
RT12200	12	20	13.01	5.90	F3 / F13	181	7.13	77	3.03	167	6.57	167	6.57	14	820	D
RT12260	12	26	17.86	8.10	F3/F13/T24	166	6.54	175	6.89	125	4.92	125	4.92	10	900	D
RT12240S	12	23	16.32	7.40	T28	165	6.50	175	6.89	175	6.89	175	6.89	12	820	D
RT12260S	12	26	19.40	8.80	F7/ F11	165	6.50	126	4.96	174	6.85	175	6.89	11.5	850	D
RT12280	12	28	18.96	8.60	F3 / F13	166	6.54	175	6.89	125	4.92	125	4.92	9	960	D
RT12280S	12	28	20.51	9.30	F7 / F11	165	6.50	126	4.96	174	6.85	175	6.89	10	880	D
RT1270L	12	7	5.73	2.60	F1/ F2	151	5.94	65	2.56	94	3.70	100	3.94	25	360	F
RT12120L	12	12	8.93	4.05	F1/ F2	151	5.94	98	3.86	95	3.74	101	3.98	16	590	F
RT12170L	12	18	11.03	5.00	F3 / F13	181	7.13	77	3.03	167	6.57	167	6.57	14	750	D
RT12280L	12	28	19.40	8.80	F3 / F13	166	6.54	175	6.89	125	4.92	125	4.92	9	960	D

RT Series

Summary

RT series is the general purpose battery with 5 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.

Product Features

- Capacity range :0.8Ah—28Ah
- Voltage class:6V/12V
- Long design life (25 °C) : 5 years
10 years(L type)
- 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, with patent formula of AM
- Terminal: two or more types terminals are convenient for selection
- Separator: using improved AGM separator, makes lower resistance, higher assembling pressure to increase cycle life;
- Battery case: made of high strength ABS(UL94-HB) and UL94-V0 is optional;
- Terminal sealing: double sealing technics(mechanical +epoxy gule).



Main Parameters

Model	Nominal Voltage	Capacity C ₁₀	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
	(V)		(Ah)	Lbs		Kg	Length		Width		Height		Total Height			
		mm					inch	mm	inch	mm	inch	mm	inch			
RA2-100	2	100	12.35	5.6	F10	171	6.73	72	2.83	206	8.11	211	8.31	1.0	2100	A
RA2-150	2	150	17.64	8	F10	172	6.77	102	4.02	205	8.07	227	8.94	0.85	2780	A
RA6-100	6	100	36.38	16.5	F14	194	7.64	170	6.69	205	8.07	210	8.27	3.0	1850	A
RA6-150	6	150	51.82	23.5	F12	260	10.24	180	7.09	247	9.72	252	9.92	3.0	2770	B
RA6-180	6	180	58.43	26.5	F12	306	12.05	168	6.61	222	8.74	227	8.94	3.0	3330	A
RA6-200	6	200	63.95	29	F16/F14	322	12.68	178	7.01	247	9.72	252	9.92	2.5	3700	A
RA6-200S	6	200	66.15	30	F12	260	10.24	180	7.09	247	9.72	252	9.92	2.5	3850	B
RA6-225	6	225	68.36	31	F16/F14	322	12.68	178	7.01	226	8.90	247	9.72	2.0	4070	A
RA6-225S	6	225	70.56	32	F14	243	9.57	188	7.40	275	10.83	275	10.83	2.0	4100	B
RA12-33	12	33	22.49	10.2	F7/F11	195	7.68	130	5.12	159	6.26	180	7.09	9.0	825	C
RA12-38	12	38	28.22	12.8	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8.0	900	D
RA12-40	12	40	28.67	13	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8.0	920	D
RA12-45	12	45	29.77	13.5	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8.0	1050	D
RA12-55	12	55	39.69	18	F15/F11	229	9.02	138	5.43	210	8.27	235	9.25	7.0	1160	C
RA12-60	12	60	45.20	20.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.5	1380	C
RA12-65	12	65	46.31	21	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.5	1500	C
RA12-70	12	70	49.61	22.5	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.5	1520	C
RA12-70S	12	70	47.41	21.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.5	1480	C
RA12-75	12	75	51.82	23.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.0	1720	C
RA12-80	12	80	52.92	24	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	5.5	1840	C
RA12-85	12	85	57.33	26	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.2	1900	C
RA12-90	12	90	62.84	28.5	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.2	1940	C
RA12-90A	12	90	61.74	28	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.5	1850	C
RA12-95	12	95	62.84	28.5	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.5	1850	C
RA12-100	12	100	66.15	30	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.0	2150	C
RA12-100A	12	100	63.95	29	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.5	2050	C
RA12-100S	12	100	63.95	29	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.0	2200	C
RA12-120	12	120	77.18	35	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	4.5	2220	C
RA12-120S	12	115	70.56	32	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	4.2	2300	C
RA12-134	12	134	91.51	41.5	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.5	2480	C
RA12-145	12	145	97.02	44	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.5	2520	C
RA12-150	12	150	98.12	44.5	F5/F12	483	19.02	170	6.69	240	9.45	240	9.45	4.3	2700	C
RA12-150A	12	150	95.70	43.4	F5/F12	483	19.02	170	6.69	240	9.45	240	9.45	4.4	2600	C
RA12-160	12	160	110.3	50	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.5	2550	E
RA12-180	12	180	116.9	53	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.2	2800	E
RA12-200	12	200	132.3	60	F16/F10	522	20.55	240	9.45	219	8.62	240	9.45	4.0	3430	E
RA12-225	12	225	143.3	65	F16/F10	522	20.55	240	9.45	219	8.62	240	9.45	3.8	3980	E
RA12-230	12	230	147.7	67	F12	521	20.51	269	10.59	203	7.99	208	8.19	4.0	4100	E
RA12-240	12	240	152.1	69	F16/F10	522	20.55	240	9.45	219	8.62	240	9.45	3.7	4300	E
RA12-260	12	260	163.2	74	F14	520	20.47	268	10.55	220	8.66	225	8.86	3.5	4810	E
RA12-38C	12	38	27.34	12.4	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8.0	900	D
RA12-65C	12	65	43.00	19.5	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.5	1500	C
RA12-75C	12	74	49.83	22.6	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.0	1720	C
RA12-80C	12	80	50.05	22.7	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	5.5	1840	C
RA12-90C	12	85	58.43	26.5	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.2	1940	C
RA12-100C	12	96	62.84	28.5	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.0	2150	C
RA12-110C	12	105	74.53	33.8	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	4.5	2220	C
RA12-160C	12	154	107.2	48.6	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.5	2550	E
RA12-180C	12	175	110.3	50	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.2	2800	E
RA12-200C	12	195	125.7	57	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	4.0	3430	E
RA12-225C	12	220	136.7	62	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	3.8	3980	E
HS12-65	12	65	46.31	21	F11	350	13.78	169	6.65	176	6.93	181	7.13	6.0	1600	C
HS12-80	12	80	52.9	24	F11	350	13.78	169	6.65	176	6.93	181	7.13	5.5	1900	C
HS12-100	12	100	66.2	30	F12	328	12.91	172	6.77	217	8.54	222	8.74	4.5	2300	C
HS12-120S	12	115	70.6	32	F12	328	12.91	172	6.77	217	8.54	222	8.74	4.1	2300	C

* HS battery:

Container and lid is sealed with heat seal technology; automatic through the-partition welding between inter-cell.

RA Series

Summary

RA series is the general purpose battery with 10 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 RA 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-260Ah
- Voltage class:6V/12V
- Long design life (25 °C) :10years
- 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, lower internal resistance,
- Plate: Pasted flat type, with patent formula of AM
- Terminal: two or more types terminals are convenient for selection
- Separator: using improved AGM separator, makes lower resistance, higher assembling pressure to increase deep cycle life;
- Battery case: made of high strength ABS(UL94-HB) and UL94-V0 is optional;
- Terminal sealing: double sealing technics(mechanical + epoxy gule).

Application

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

Compliant Standards

- GB/T19638 - 2005
- YD/T799 - 2002
- JIS C8704 - 2006
- IEC 60896-21/22 - 2004
- Passed ISO9001, ISO14001, OHSAS18001, UL , CE and TLC certificate



RL Series

Summary

RL 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 RL 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 .

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: $\leq 3\%$ per month
- High recombination efficiency: $\geq 99\%$
- Compact structure and high specific energy
- Wide operation temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Grid: thicker grid and radiative grid structure;
- Positive plate: Pasted flat type, latest grid alloy + patent formula of AM;
- Separator: AGM separator with high adsorptive and low resistance;
- Battery container: High strength ABS(UL94-HB) and UL94-V0 is optional;
- Post sealing: patent multi-layer post sealing with M8 copper insert terminal;
- Safety Valve: sensitive operate pressure and reliable equip with explosion-proof arester and acid filter.

Application

- Telecommunication
- UPS/EPS
- Power storage plant
- Utility

Compliant Standards

- GB/T19638 - 2005
- YD/T799 - 2002
- JIS C8704 - 2006
- BS 6290.4 - 2006
- IEC 60896-21/22- 2004
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE and TLC certificate

Main Parameters

Model	Nominal Voltage (V)	Capacity C ₁₀ (Ah)	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
						mm	inch	mm	inch	mm	inch	mm	inch			
RL2200	2	200	30.87	14	F10	171	6.73	111	4.37	329	12.95	366	14.41	0.80	2650	G
RL2200S	2	200	29.99	13.6	F10	208	8.19	110	4.33	239	9.41	244	9.61	0.78	2500	G
RL2250	2	250	38.59	17.5	F10	171	6.73	110	4.33	329	12.95	366	14.41	0.76	2800	G
RL2275S	2	200	39.25	17.8	F10	208	8.19	142	5.59	239	9.41	244	9.61	0.74	2850	G
RL2300	2	300	41.90	19	F10	171	6.73	150	5.91	330	12.99	366	14.41	0.72	2910	G
RL2350	2	350	54.02	24.5	F10	171	6.73	150	5.91	329	12.95	366	14.41	0.70	3200	H
RL2400	2	400	57.33	26	F10	211	8.31	176	6.93	329	12.95	366	14.41	0.67	3400	H
RL2450	2	450	63.95	29	F10	211	8.31	176	6.93	329	12.95	366	14.41	0.65	3630	H
RL2500	2	500	67.25	30.5	F10	242	9.53	172	6.77	329	12.95	366	14.41	0.62	4210	H
RL2500S	2	500	68.36	31	F10	208	8.19	240	9.45	239	9.41	244	9.61	0.61	4000	H
RL2600	2	600	81.59	37	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.60	5080	H
RL2650	2	650	88.20	40	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.60	5200	H
RL2750	2	750	101.4	46	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.62	6050	J
RL2800	2	800	110.3	50	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.60	6370	J
RL21000	2	1000	136.7	62	F10	475	18.70	175	6.89	327	12.87	368	14.49	0.55	6850	J
RL21200	2	1200	167.6	76	F10	475	18.70	175	6.89	327	12.87	368	14.49	0.53	7830	J
RL21500	2	1500	211.7	96	F10	401	15.79	352	13.86	338	13.31	383	15.08	0.50	10200	K
RL22000	2	2000	278.9	126.5	F10	490	19.29	349	13.74	338	13.31	383	15.08	0.40	13380	L
RL22500	2	2500	377.1	171	F10	712	28.03	351	13.82	338	13.31	383	15.08	0.33	18100	L
RL23000	2	3000	425.6	193	F10	712	28.03	351	13.82	338	13.31	383	15.08	0.30	23150	L
HS2-500R	2	500	67.25	30.5	F10	241	9.49	172	6.77	331	13.03	366	14.41	0.62	4300	H

* HS battery:

Container and lid is sealed with heat seal technology; automatic through the-partition welding between inter-cell.



RL-L Series

Summary

RL-L 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 RL-L 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, such as Telecommunication, EPS applications.

Product Features

- Capacity range: 200Ah—3000Ah
- Voltage class: 2V
- Long design life: more than 20 years
- Polarity sign: symmetrical and more clear
- Low self-discharge rate: $\leq 3\%$ per month
- High recombination efficiency: $\geq 99\%$
- Compact structure and high specific energy
- Wide operation temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Grid: thicker grid and radiative grid structure;
- Positive plate: Pasted flat type, latest grid alloy + patent formula of AM;
- Separator: AGM separator with high adsorptive and low resistance;
- Battery container: High strength ABS(UL94-HB) and UL94-V0 is optional;
- Post sealing: patent multi-layer post sealing with M8 copper insert terminal;
- Safety Valve: sensitive operate pressure and reliable equip with explosion-proof arester and acid filter.

Application

- Telecommunication
- UPS/EPS
- Power storage plant
- Utility

Compliant Standards

- GB/T19638 - 2005
- YD/T799 - 2002
- JIS C8704 - 2006
- BS 6290.4 - 2006
- IEC 60896-21/22- 2004
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE and TLC certificate

Main Parameters

Model	Nominal Voltage	Capacity C ₁₀	Weight		Terminal Type	Dimension								Internal Resistance	Short Circuit Current	Terminal Position
	(V)		Lbs	Kg		Length		Width		Height		Total Height				
						mm	inch	mm	inch	mm	inch	mm	inch			
RL2200L	2	200	33.08	15	F10	171	6.73	111	4.37	329	12.95	366	14.41	0.8	2550	G
RL2320L	2	300	44.10	20	F10	171	6.73	150	5.91	330	12.99	366	14.41	0.72	2900	G
RL2400L	2	400	59.54	27	F10	211	8.31	176	6.93	329	12.95	366	14.41	0.67	3400	H
RL2500L	2	500	70.56	32	F10	242	9.53	172	6.77	329	12.95	366	14.41	0.62	4200	H
RL2600L	2	600	90.41	41	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.6	5100	H
RL2800L	2	800	116.9	53	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.6	6300	J
RL21000L	2	1000	143.3	65	F10	475	18.70	175	6.89	327	12.87	368	14.49	0.55	6800	J
RL21500L	2	1500	220.5	100	F10	401	15.79	352	13.86	338	13.31	383	15.08	0.5	10200	K
RL22000L	2	2000	291.1	132	F10	490	19.29	349	13.74	338	13.31	383	15.08	0.4	13350	L
RL23000L	2	3000	443.2	201	F10	712	28.03	351	13.82	338	13.31	383	15.08	0.3	23100	L
HS2-500LR	2	500	70.56	32	F10	241	9.49	172	6.77	331	13.03	366	14.41	0.62	4200	H

* HS battery:

Container and lid is sealed with heat seal technology; automatic through the-partition welding between inter-cell.



FT Series

Summary

FT (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 FT series is designed for 19" and 23" cabinet installation.

It is suitable for UPS/EPS applications.

Product Features

- Capacity range :55Ah—185Ah
- 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
- Narrow structure:each cell has same heat dissipation efficiency thus good to prevent "thermal runaway" ;
- Plate: Pasted flat type, with patent formula of AM ensure good service life;
- 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 separator, makes lower resistance, higher assembling pressure to increase deep cycle life;
- Terminal sealing: double sealing technics(mechanical + epoxy glue).

Application

- Telecommunication
- Emergency Light
- Photovoltaic / Wind Energy

Compliant Standards

- IEC60896-21/22 -2004
- BS 6290-4 -1997
- YD/T799-2002
- GB/T19638-2005
- JIS8704-2006
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Nominal Voltage	Capacity C ₁₀	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
	(V)		(Ah)	Lbs		Kg	Length		Width		Height		Total Height			
		mm					inch	mm	inch	mm	inch	mm	inch			
FT12-55	12	55	39.69	18	F11	277	10.91	106	4.17	222	8.74	222	8.74	6.5	1460	E
FT12-90	12	90	58.43	26.5	F6	263	10.35	114	4.49	188	7.40	188	7.40	5.8	2350	E
FT12-100	12	100	67.25	30.5	F9	394	15.51	109	4.29	285	11.22	285	11.22	5.2	2300	E
FT12-100A	12	100	65.27	29.0	F8	508	20.00	111	4.37	236	9.29	236	9.29	5.5	1950	E
FT12-105	12	105	71.66	32.5	F8	508	20.00	111	4.37	236	9.29	236	9.29	5.0	2400	E
FT12-110	12	110	72.77	33	F9	394	15.51	109	4.29	285	11.22	285	11.22	4.8	2850	E
FT12-125	12	125	79.38	36	F9	551	21.69	109	4.29	239	9.41	239	9.41	5.0	3050	E
FT12-125S	12	125	91.51	41.5	F9	436	17.17	107	4.21	317	12.48	323	12.72	5.0	3000	E
FT12-135	12	135	90.41	41	F9	551	21.69	109	4.29	239	9.41	239	9.41	4.5	2580	E
FT12-150	12	150	99.23	45	F9	551	21.69	110	4.33	288	11.34	288	11.34	4.3	3250	E
FT12-160	12	160	108.0	49	F9	551	21.69	110	4.33	288	11.34	288	11.34	4.2	3550	E
FT12-170	12	170	114.7	52	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4050	E
FT12-180	12	180	114.7	52	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4150	E
FT12-180S	12	180	114.7	52	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4100	E
FT12-185	12	185	123.5	56	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4250	E
FT12-185S	12	185	123.5	56	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4200	E
FTL12-100	12	110	72.77	33	F9	394	15.51	109	4.29	285	11.22	285	11.22	4.8	2850	E
FTL12-180	12	180	132.3	60	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4150	E
FTL12-180S	12	180	132.3	60	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4100	E
FTL12-185	12	185	132.3	60	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4250	E
FTL12-185S	12	185	132.3	56	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4200	E



EV Series

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 offers reliable performance in high load situations and can deliver more than 300 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 patent EV deep cycle formula of AM;
- High performance AGM separator;
- Excellent cycle life and recovery performance during deep cycle use;
- Sealed construction and Maintenance free.

Application

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

Compliant Standards

- GB/T 22199-2008;
- GB/T 23636-2009;
- GB/T 18332.1-2009;
- Passed ISO9001:2000, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Nominal Voltage (V)	Capacity C ₂₀ (Ah)	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch				
EV12-10	12	12	8.49	3.85	F1/F2	151	5.94	98	3.86	95	3.74	101	3.98	15	640	F
EV12-12	12	14	9.26	4.2	F1/F2	151	5.94	98	3.86	95	3.74	101	3.98	13	660	F
EV12-14	12	15	9.92	4.5	F1/F2	151	5.94	98	3.86	99	3.90	104	4.09	12	700	F
EV12-18	12	20	13.01	5.9	F3	181	7.13	77	3.03	167	6.57	167	6.57	14	900	D
EV12-22	12	24	13.67	6.2	F3	181	7.13	77	3.03	167	6.57	167	6.57	14	1100	D
EV12-24	12	25	15.44	7.0	F18	182.5	7.19	78.5	3.09	170	6.69	170	6.69	10	1100	F
EV12-24B	12	25	15.44	7.0	F20	181	7.13	77	3.03	170	6.69	170	6.69	10	1100	F
EV12-26	12	26	19.85	9.0	F3/F13	166	6.54	175	6.89	125	4.92	125	4.92	10	900	D
EV12-33	12	36	22.49	10.2	F7 / F11	195	7.68	130	5.12	154	6.06	180	7.09	9	1150	C
EV12-45	12	48	32.19	14.6	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	7.5	1250	D
EV12-55	12	55	39.69	18.0	F11/F15	229	9.02	138	5.43	210	8.27	235	9.25	7	1160	D
EV12-60	12	60	43.00	19.5	F11	250	9.84	160	6.30	178	7.01	183	7.20	6.5	1450	C
EV12-75	12	75	51.82	23.5	F11/F15	260	10.24	169	6.65	210	8.27	235	9.25	6	1750	C
EV12-80	12	80	54.02	24.5	F5 / F11	350	13.78	167	6.57	180	7.09	183	7.20	5.5	1840	C
EV12-95	12	95	66.15	30.0	F5 / F12	328	12.91	172	6.77	222	8.74	222	8.74	5	2150	C
EV12-110	12	110	71.66	32.5	F5 / F12	328	12.91	172	6.77	222	8.74	222	8.74	4.8	2300	C
EV12-150	12	150	103.6	47.0	F5 / F12	483	19.02	170	6.69	240	9.45	240	9.45	4	2950	C
EV12-200	12	210	138.9	63.0	F10/F16	522	20.55	240	9.45	219	8.62	240	9.45	3.8	3750	C
EV12-240	12	245	152.1	69.0	F10/F16	522	20.55	240	9.45	219	8.62	240	9.45	3.7	4300	C
EV6-180	6	190	62.62	28.4	F12	306	12.05	168	6.61	222	8.74	227	8.94	2.5	3000	A
EV6-200	6	210	66.15	30.0	F12	322	12.68	178	7.01	226	8.90	231	9.09	2.4	3100	A
EV6-205	6	205	65.05	29.5	F14/F22	260	10.24	182	7.17	247	9.72	265	10.43	2.5	2800	B
EV6-210	6	215	68.36	31.0	F12	322	12.68	178	7.01	226	8.90	231	9.09	2.2	3200	A
EV6-225	6	225	71.66	32.5	F14/F22	260	10.24	182	7.17	260	10.24	278	10.94	2	2950	B
EV8-170	8	170	76.07	34.5	F14/F22	260	10.24	182	7.17	295	11.61	314	12.36	3.2	2450	C
EV8-200	8	200	84.89	38.5	F14/F22	260	10.24	182	7.17	295	11.61	314	12.36	3	2650	C
EV6-335	6	335	103.6	47.0	F22	295	11.61	178	7.01	345	13.58	364	14.33	1.8	3250	B



Application

- UPS/EPS
- Electric Tools
- Toys
- Medical
- Wheelchair
- Security System

Compliant Standards

- GB/T19638.2-2005
- YD/T799-2002
- JIS C8704-2006
- IEC 60896-21/22-2004
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Watts/cell @ 15min (1.67Vpc)	Nominal Voltage (V)	Capacity C ₂₀ /C ₁₀ (Ah)	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
				Lbs	Kg		Length		Width		Height		Total Height				
							mm	inch	mm	inch	mm	inch	mm	inch			
HR6-16W	16	6	4.5	1.59	0.72	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	25	223	A
HR6-18W	18	6	5	1.65	0.75	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	20	251	A
HR6-20W	20	6	5.3	1.76	0.8	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	18	278	A
HR6-22W	22	6	5	1.76	0.8	F1/F2	70	2.76	47	1.85	101	3.98	107	4.21	18	306	A
HR6-28W	28	6	7.5	2.65	1.2	F1/F2	151	5.94	34	1.34	94	3.70	100	3.94	11	390	C
HR6-32W	32	6	8	2.87	1.3	F1/F2	151	5.94	34	1.34	94	3.70	100	3.94	10	445	C
HR6-36W	36	6	8	2.98	1.35	F1/F2	151	5.94	34	1.34	94	3.70	100	3.94	10	450	C
HR12-16W	16	12	4.5	3.09	1.4	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	35	225	C
HR12-18W	18	12	5	3.53	1.6	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	35	250	C
HR12-20W	20	12	5.3	3.75	1.7	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	30	275	C
HR12-20WB	21	12	5.8	4.08	1.85	F1/F2	151	5.94	51	2.01	101	3.98	107	4.21	25	270	F
HR12-22W	22	12	5	3.64	1.65	F1/F2	90	3.54	70	2.76	101	3.98	107	4.21	25	280	C
HR12-28W	28	12	7.5	4.85	2.2	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	19	390	F
HR12-32W	32	12	8	5.25	2.38	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	18	440	F
HR12-36W	36	12	9	5.69	2.58	F1/F2	151	5.94	65	2.56	94	3.70	100	3.94	18	450	F
HR12-45W	45	12	14	9.26	4.2	F1/F2	151	5.94	98	3.86	94	3.70	100	3.94	12	660	F
HR12-70W	70	12	15	10.14	4.6	F3/F13	181	7.13	77	3.03	167	6.57	167	6.57	14	860	F
HR12-75W	75	12	18	12.35	5.6	F3/F13	181	7.13	77	3.03	167	6.57	167	6.57	13	880	D
HR12-80W	83	12	22	13.01	5.9	F3/F13	181	7.13	77	3.03	167	6.57	167	6.57	12	900	D
HR12-88W	90	12	22	13.23	6	F3/F13	181	7.13	77	3.03	167	6.57	167	6.57	10	920	D
HR12-96W	100	12	26	17.86	8.1	F3/F13/T24	166	6.54	175	6.89	125	4.92	125	4.92	8	950	D
HR12-104W	105	12	28	18.96	8.6	F3/F13/T24	166	6.54	175	6.89	125	4.92	125	4.92	8	980	D
HRL6-850W	850	6	225	72.77	33	F14	243	9.57	188	7.40	275	10.83	275	10.83	2.5	3850	C
HR12-125W	125	12	33	22.49	10.2	F7/F11	195	7.68	130	5.12	159	6.26	180	7.09	9	930	C
HR12-150W	150	12	40	29.77	13.5	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8	1100	D
HR12-200W	208	12	55	39.69	18	F15/F11	229	9.02	138	5.43	210	8.27	235	9.25	6.8	1350	C
HR12-240W	246	12	65	48.95	22.2	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.5	1650	C
HR12-280W	280	12	75	54.68	24.8	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6	1850	C
HR12-340W	340	12	90	63.95	29	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.5	2100	C
HRL12-380W	380	12	100	70.56	32	F5/F12	328	12.91	172	6.77	222	8.74	227	8.94	4.2	2350	C
HRL12-380WS	378	12	100	69.46	31.5	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	4	2550	C
HRL12-450W	450	12	120	81.59	37	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	4	3000	C
HRL12-480W	487	12	134	95.92	43.5	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.5	2900	C
HRL12-570W	568	12	150	103.6	47	F5/F12	483	19.02	170	6.69	240	9.45	240	9.45	4	2950	C
HRL12-570WS	570	12	150	99.20	45	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.4	2900	C
HRL12-580W	586	12	150	103.6	47	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.4	3100	C
HRL12-650W	682	12	200	137.8	62.5	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	3.8	3850	E
HRL12-740W	740	12	220	143.3	65	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	3.6	4000	E
HRL12-780W	780	12	240	152.1	69	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	3.6	4200	E
HS12-240W	240	12	65	48.95	22.2	F11	350	13.78	169	6.65	176	6.93	181	7.13	6	1700	C
HS12-380W	390	12	100	70.56	32	F12	339	13.35	173	6.81	217	8.54	222	8.74	4.2	2400	C

HR Series

Summary

HR (High Rate) series is especially designed for heavy load discharge applications with 5 to 10 years design life in float service. By using strong grids and specially designed active material the HR series offers stable performance during high current discharge. The HR series offers 30% more power output than the standard range. Suitable for UPS/EPS where high current loads are required.

Product Features

- Capacity range : 4.5Ah-240Ah
- Voltage class : 6V/12V
- Long design life (25 °C) : 5 years (≤28Ah) 10 years (>28Ah)
- 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, with patent high rate formula of AM
- Terminal: two or more types terminals are convenient for selection
- Safety valve: flame arrester / filter is equipped with safety valve system.
- Separator: using improved AGM separator, makes lower resistance higher assembling pressure to increase deep cycle life;
- Battery case: made of high strength ABS(UL94-HB) and UL94-V0 is optional;
- Terminal sealing: double sealing technics(mechanical + epoxy gule).

* HS battery:

Container and lid is sealed with heat seal technology; automatic through the-partition welding between inter-cell.



Application

- Photovoltaic / Wind Energy
- UPS/EPS
- Marine / Boat
- Light Electric Power Supply

Compliant Standards

- IEC60896-21/22-2004
- DIN43539-T5
- YD/T1360-2005
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Nominal Voltage	Capacity C ₂₀ /C ₁₀	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
	(V)		(Ah)	Lbs		Kg	Length		Width		Height		Total Height			
					mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		
DC12-26	12	26	17.86	8.1	F3F13/T24	166	6.54	175	6.89	125	4.92	125	4.92	10.0	900	D
DC12-26S	12	26	19.40	8.8	F7/F11	165	6.50	126	4.96	174	6.85	174	6.85	11.5	850	D
DC12-28	12	28	18.96	8.6	F3/F13	166	6.54	175	6.89	125	4.92	125	4.92	9.0	950	D
DC12-28S	12	28	20.51	9.3	F7/F11	165	6.50	126	4.96	174	6.85	174	6.85	10.0	880	D
DC6-180	6	180	58.43	26.5	F12	306	12.05	168	6.61	222	8.74	227	8.94	3.0	3330	A
DC6-200	6	200	63.95	29	F16/F14	322	12.68	178	7.01	226	8.90	247	9.72	2.5	3700	A
DC6-200S	6	200	66.15	30	F12	260	10.24	180	7.09	247	9.72	252	9.92	2.5	3510	B
DC6-225S	6	225	70.56	32	F14	243	9.57	188	7.40	275	10.83	275	10.83	2.0	3980	B
DC12-40	12	40	28.67	13	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8.0	1000	D
DC12-55	12	55	39.69	18	F5/F11	229	9.02	138	5.43	210	8.27	235	9.25	7.0	1100	C
DC12-65	12	65	46.31	21	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.5	1500	C
DC12-75	12	75	51.82	23.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.5	1720	C
DC12-80	12	80	52.92	24	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.0	1840	C
DC12-80A	12	80	55.13	25	F5/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.5	1700	C
DC12-90	12	90	62.84	28.5	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.2	1940	C
DC12-90A	12	90	61.74	28	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.7	1850	C
DC12-100	12	100	66.15	30	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.0	2100	C
DC12-100A	12	100	63.95	29	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.0	2050	C
DC12-100S	12	100	63.95	29	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	4.8	2150	C
DC12-120	12	120	77.18	35	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	4.5	2220	C
DC12-120S	12	115	70.56	32	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	4.2	2130	C
DC12-134	12	134	91.51	41.5	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.5	2480	C
DC12-145	12	145	97.02	44	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	4.5	2630	C
DC12-150	12	150	98.12	44.5	F5/F12	483	19.02	170	6.69	240	9.45	240	9.45	4.2	2780	C
DC12-150A	12	150	95.70	43.4	F5/F12	483	19.02	170	6.69	240	9.45	240	9.45	4.5	2600	C
DC12-160	12	160	116.9	53	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.5	2960	E
DC12-180	12	180	116.9	53	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.0	3330	E
DC12-200	12	200	132.3	60	F16/F10	522	20.55	240	9.45	219	8.62	240	9.45	4.0	3700	E
DC12-260	12	260	163.2	74	F14	520	20.47	268	10.55	220	8.66	225	8.86	3.5	4810	E
FTD12-55	12	55	39.69	18	F11	227	8.94	106	4.17	222	8.74	222	8.74	6.0	1460	E
FTD12-90	12	90	58.43	26.5	F6	563	22.17	114	4.49	188	7.40	188	7.40	5.8	2350	E
FTD12-100	12	100	67.25	30.5	F9	394	15.51	109	4.29	285	11.22	285	11.22	5.2	2400	E
FTD12-100A	12	100	65.27	29.6	F9	394	15.51	109	4.29	285	11.22	285	11.22	5.5	2400	E
FTD12-105	12	105	71.66	32.5	F8	508	20.00	111	4.37	236	9.29	236	9.26	5.0	2400	E
FTD12-110	12	110	72.77	33	F9	394	15.51	109	4.29	285	11.22	285	11.22	4.8	2850	E
FTD12-125	12	125	79.38	36	F9	551	21.69	109	4.29	239	9.41	239	9.41	5.0	3050	E
FTD12-125S	12	125	90.41	41	F9	436	17.17	107	4.21	317	12.48	323	12.72	5.0	3000	E
FTD12-135	12	135	90.41	41	F9	551	21.69	109	4.29	239	9.41	239	9.41	4.5	2850	E
FTD12-150	12	150	99.23	45	F9	551	21.69	110	4.33	288	11.34	288	11.34	4.3	3250	E
FTD12-160	12	160	108.0	49	F9	551	21.69	110	4.33	288	11.34	288	11.34	4.2	3550	E
FTD12-170	12	170	114.7	52	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.1	4050	E
FTD12-180	12	180	118.0	53.5	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4150	E
FTD12-180S	12	180	114.7	52	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4100	E
FTD12-185	12	185	123.5	56	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4250	E
FTD12-185S	12	185	123.5	56	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4200	E
FTLD12-110	12	110	72.77	33	F9	394	15.15	109	4.29	285	11.22	285	11.22	4.8	2850	E
FTLD12-180	12	180	132.3	60	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4150	E
FTLD12-180S	12	180	132.3	60	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4100	E
FTLD12-185	12	185	132.3	60	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.0	4250	E
FTLD12-185S	12	185	132.3	60	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.0	4200	E

DC Series

Summary

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.

Product Features

- Capacity range :26Ah —3000Ah
- Voltage class :2V/6V/12V
- Long design life (25 °C) : 5 years(≤28Ah)
10 years(>28Ah)
- 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, with patent deep cycle formula of AM
- Terminal: two or more types terminals 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-HB) and UL94-V0 is optional;
- Terminal sealing: double sealing technics(mechanical + epoxy gule).

* HS battery:

Container and lid is sealed with heat seal technology; automatic through the-partition welding between inter-cell.

Model	Nominal Voltage	Capacity C ₂₀ /C ₁₀	Weight		Terminal Type	Dimensions								Internal Resistance	Short Circuit Current	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
	(V)	(Ah)			mm	inch	mm	inch	mm	inch	mm	inch	(mΩ@25°C)	(A)		
DC2-200	2	200	30.87	14	F10	171	6.73	111	4.37	329	12.95	366	14.41	0.80	2650	G
DC2-250	2	250	38.59	17.5	F10	171	6.73	150	5.91	329	12.95	366	14.41	0.76	2800	G
DC2-300	2	300	41.90	19	F10	171	6.73	150	5.91	330	12.99	366	14.41	0.72	2910	G
DC2-350	2	350	54.02	24.5	F10	171	6.73	150	5.91	329	12.95	366	14.41	0.70	3200	H
DC2-400	2	400	57.33	26	F10	211	8.31	176	6.93	329	12.95	366	14.41	0.67	3400	H
DC2-450	2	450	63.95	29	F10	211	8.31	176	6.93	329	12.95	366	14.41	0.65	3630	H
DC2-500	2	500	67.25	30.5	F10	242	9.53	172	6.77	329	12.95	366	14.41	0.62	4210	H
DC2-600	2	600	81.59	37	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.63	5080	H
DC2-650	2	650	88.20	40	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.61	5200	H
DC2-750	2	750	101.4	46	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.60	6050	J
DC2-800	2	800	110.3	50	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.60	6370	J
DC2-1000	2	1000	136.7	62	F10	475	18.70	175	6.89	327	12.87	368	14.49	0.55	6850	J
DC2-1200	2	1200	167.6	76	F10	475	18.70	175	6.89	327	12.87	368	14.49	0.53	7830	J
DC2-1500	2	1500	211.7	96	F10	401	15.79	352	13.86	338	13.31	383	15.08	0.50	10200	K
DC12-38C	12	38	27.34	12.4	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	8.0	900	D
DC12-65C	12	65	43.00	19.5	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	6.5	1500	C
DC12-75C	12	74	49.83	22.6	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	6.0	1720	C
DC12-80C	12	80	50.05	22.7	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	5.5	1840	C
DC12-90C	12	85	58.43	26.5	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	5.2	1940	C
DC12-100C	12	96	62.84	28.5	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	5.0	2150	C
DC12-110C	12	105	74.53	33.8	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	4.5	2220	C
DC12-160C	12	154	107.2	48.6	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.5	2550	E
DC12-180C	12	175	110.3	50	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	4.2	2800	E
DC12-200C	12	195	125.7	57	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	4.0	3430	E
DC12-225C	12	220	136.7	62	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	3.8	3980	E
HSD12-65	12	65	46.31	21	F11	350	13.78	169	6.65	176	6.93	181	7.13	6	1600	C
HSD12-80	12	80	46.31	21	F11	350	13.78	169	6.65	176	6.93	181	7.13	6	1600	C
HSD12-100	12	100	66.15	30	F12	328	12.91	173	6.81	217	8.54	222	8.74	4.5	2300	C
HSD12-120S	12	115	70.56	32	F12	328	12.91	173	6.81	217	8.54	222	8.74	4.1	2400	C
HSD2-500	2	500	67.25	30.5	F10	241	9.49	172	6.77	331	13.03	366	14.41	0.6	4260	H

About VRLA battery (AGM & GEL)

What is VRLA battery?

VRLA(Valve Regulated Lead Acid) battery is sealed lead-acid battery. It includes GEL type and AGM type, both have the following characteristics:

- is sealed using special pressure valves and should never be opened.
- is completely maintenance-free, needn't topping in service life.
- all of its electrolyte are immobilized (absorbed in AGM or fixed in Gel structure).
- uses recombination reaction to prevent the escape of hydrogen and oxygen gases which normally lost in flooded lead-acid battery.
- is non-spillable, and therefore can be operated in virtually any position(except upside-down).

What is GEL battery?

Besides the characteristics of VRLA, GEL battery has:

- using thixotropic gelled electrolyte, it is in a solid state between the plates and separators.
- not like traditional AGM electrolyte "starve" design, GEL battery has more 15~25% electrolyte volume than AGM type.
- different type of separator, such as PE, PVC etc .

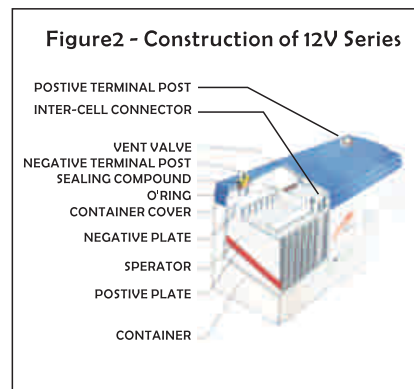
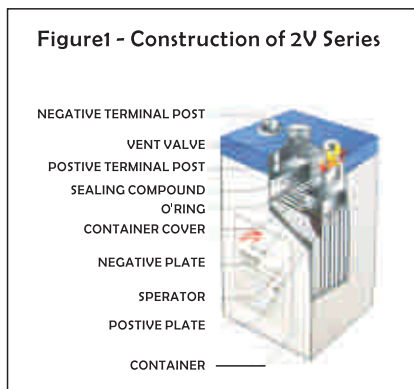
Differences between GEL batteries and absorbed glass mat(AGM) batteries?

- Both are sealed recombinant batteries. Both are sealed valve-regulated lead-acid (VRLA). AGM batteries and GEL batteries are both considered "acid-starved" and the electrolyte does not flow like a normal liquid.
- The gel electrolyte has the consistency and appearance of petroleum jelly. Like gelled electrolyte batteries, AGM batteries are also considered non-spillable – all of the liquid electrolyte is trapped in the sponge-like matted glass fiber separator material.
- Due to the physical properties of the gelled electrolyte, gel battery has higher internal resistance. Thus AGM batteries has excellent performance for high current/power discharge and GEL excels in high/lower temperature stability and lower current/power discharge applications.
- AGM batteries has higher specific energy density than GEL batteries. But GEL batteries has longer service life.

What is the difference between VRLA batteries and traditional wet/flooded batteries?

- Wet batteries do not have special pressurized sealing vents, as they do not work on the recombination principle(gases escaped inside the battery during charging).
- It contains liquid electrolyte that can spill/flow and cause corrosion if tipped or punctured. Therefore, they are not air transportable without special containers.
- It can only be installed "upright" and "acid protection" must be maintained at the same time.
- As the wet batteries will lose gases during charging ,it is need maintenance(topping) periodically.
- As the electrolyte can flow , "stratification" will occur and need more overcharge to mix .

SLA BATTERY CONSTRUCTION





OPzV Series

Summary

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.

Product Features

- Capacity range (C₁₀): 200Ah — 3000Ah
- Voltage :2V
- Floating design life: 20 years at 25°C
- Cycle life: 1500 at 80% DOD and 3500 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.
- Electrolyte: gel electrolyte use import silica, special techniques make it in a gel immobilized state, more safe than AGM type battery; special additives makes it very stable, lower internal resistance and no stratification;
- Positive plate: tubular type ,with die- casting thick Pb-Ca grid, it has very good corrosion resistance and very long service life;
- Negative plate: pasted flat type ,radial grid design ,good high rate discharge performance;
- Separator: PVC-SiO₂ separator imported from Europe, low internal resistance, high pore rate and long life;
- Flooded electrolyte design: contain more electrolyte like a flooded battery, space between plates and separators are full of electrolyte thus means good heating capacity and avoid" thermal runaway"
- Safety valve, has good sensitivity, safe and reliable , equipped with double flame arrester/acid filter;
- Battery case: made of high strength ABS and durable design.

Application

- Telecommunication
- Photovoltaic / Wind Energy
- UPS
- Power Storage Plant
- Military

Compliant Standards

- IEC60896-21/22- 2004
- DIN43539-T5
- IEC61427-2005
- YD/T1360-2005
- GB/T 22473-2008
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Nominal Voltage	Capacity C ₁₀	Weight		Terminal Type	Dimension								Internal Resistance	Short Circuit Current	Terminal Position	
	(V)		(Ah)	Lbs		Kg	Length		Width		Height		Total Height				
							mm	inch	mm	inch	mm	inch	mm				inch
OPzV2-200	2	200	39.69	18	F10	103	4.06	206	8.11	354	13.94	397	15.63	0.60	3410	G	
OPzV2-250	2	250	48.51	22	F10	124	4.88	206	8.11	354	13.94	397	15.63	0.57	4000	G	
OPzV2-300	2	300	55.13	25	F10	145	5.71	206	8.11	354	13.94	397	15.63	0.55	4550	G	
OPzV2-350	2	350	63.95	29	F10	124	4.88	206	8.11	470	18.50	513	20.20	0.42	4850	G	
OPzV2-420	2	420	72.77	33	F10	145	5.71	206	8.11	470	18.50	513	20.20	0.38	5400	G	
OPzV2-500	2	500	86.00	39	F10	166	6.54	206	8.11	470	18.50	513	20.20	0.35	6000	G	
OPzV2-600	2	600	105.8	48	F10	145	5.71	206	8.11	645	25.39	687	27.05	0.33	6200	G	
OPzV2-770	2	770	123.5	56	F10	253	9.96	210	8.27	470	18.50	513	20.20	0.31	6440	G	
OPzV2-800	2	800	141.1	64	F10	191	7.52	210	8.27	645	25.39	687	27.05	0.30	6800	H	
OPzV2-1000	2	1000	165.4	75	F10	233	9.17	210	8.27	645	25.39	687	27.05	0.27	7900	H	
OPzV2-1200	2	1200	198.5	90	F10	275	10.83	210	8.27	645	25.39	687	27.05	0.25	8200	H	
OPzV2-1500	2	1500	242.6	110	F10	275	10.83	210	8.27	795	31.30	836	32.91	0.23	8500	H	
OPzV2-2000	2	2000	330.8	150	F10	399	15.71	212	8.35	772	30.39	813	32.01	0.22	9300	I	
OPzV2-2500	2	2500	419.0	190	F10	487	19.17	212	8.35	772	30.39	813	32.01	0.20	10300	J	
OPzV2-3000	2	3000	485.1	220	F10	576	22.68	212	8.35	772	30.39	813	32.01	0.19	10700	J	



DG Series

Summary

DG (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, DG 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..

Product Features

- Capacity range (C₂₀): 40Ah—3000Ah
- Voltage class: 2V/6V/12V
- Long design life: 12years for 6V/12V
18years for 2V
- Low self-discharge rate: ≤2.5% per month
- High sealed reaction efficiency: ≥98%
- High specific energy density
- Excellent charge acceptance
- Wide operation temperature: -40°C ~ +60°C
- Grid: patent primary and secondary grid structure design;
- Positive plate: Pasted flat type, high temperature and humidity formation technics;
- Separator: high porosity PE separator with glass fibre good cyclic characteristics and lower resistance;
- Battery container: High strength ABS(UL94-HB) and UL94-V0 is optional;
- Post sealing: patent double layer post sealing
- Safety Valve narrow operate pressure range and equipt with explosion-proof arester and acid filter.

Application

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

Compliant Standards

- IEC60896-21/22-2004
- DIN43539-T5
- IEC61427-2005
- YD/T1360-2005
- GB/T 22473-2008
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Nominal Voltage (V)	Capacity C ₂₀ (Ah)	Weight		Terminal Type	Dimension								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
						mm	inch	mm	inch	mm	inch	mm	inch			
DG2-100	2	100	14.33	6.5	F10	171	6.73	72	2.83	206	8.11	211	8.31	1.35	1710	A
DG2-150	2	150	17.64	8	F10	172	6.77	102	4.02	205	8.07	227	8.94	1.25	2360	A
DG6-100	6	100	36.38	16.5	F14	194	7.64	170	6.69	205	8.07	210	8.27	5	1710	A
DG6-150	6	150	51.82	23.5	F12	260	10.24	180	7.09	247	9.72	252	9.92	4.5	2370	B
DG6-180	6	180	58.43	26.5	F12	306	12.05	168	6.61	222	8.74	227	8.94	5	2840	A
DG6-200	6	200	63.95	29	F16/F14	322	12.68	178	7.01	226	8.90	247	9.72	4	3150	A
DG6-200S	6	200	66.15	30	F12	260	10.24	180	7.09	247	9.72	252	9.92	4	3250	B
DG6-225	6	225	70.56	32	F16/F14	322	12.68	178	7.01	226	8.90	247	9.72	4	3465	A
DG6-225S	6	225	70.56	32	F14	243	9.57	188	7.40	275	10.83	275	10.83	4	3580	B
DG8-150	8	150	66.15	30	F12	260	10.24	182	7.17	295	11.61	300	11.81	7	2250	C
DG12-40	12	40	29.11	13.2	F4/F11	198	7.80	166	6.54	171	6.73	171	6.73	9	750	D
DG12-55	12	55	39.69	18	F15/F11	229	9.02	138	5.43	210	8.27	235	9.25	8.6	1040	C
DG12-60	12	60	45.20	20.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	8.5	1130	C
DG12-65	12	65	46.31	21	F15/F11	350	13.78	167	6.57	180	7.09	183	7.20	8	1250	C
DG12-70	12	70	49.61	22.5	F15/F11	350	13.78	167	6.57	180	7.09	183	7.20	8	1320	C
DG12-70S	12	70	47.41	21.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	8	1350	C
DG12-75	12	75	51.82	23.5	F15/F11	260	10.24	169	6.65	210	8.27	235	9.25	7	1410	C
DG12-80	12	80	52.92	24	F5/F11	350	13.78	167	6.57	180	7.09	183	7.20	7	1510	C
DG12-90	12	90	62.84	28.5	F15/F12	306	12.05	169	6.65	210	8.27	235	9.25	6.5	1600	C
DG12-100	12	100	66.15	30	F5/F12	328	12.91	172	6.77	222	8.74	222	8.74	7.5	1760	C
DG12-120	12	120	78.28	35.5	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	5.5	1900	C
DG12-134	12	134	91.51	41.5	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	5	2120	C
DG12-145	12	145	97.02	44	F5/F12	340	13.39	173	6.81	280	11.02	285	11.22	5	2300	C
DG12-150	12	150	98.12	44.5	F5/F12	483	19.02	170	6.69	240	9.45	240	9.45	6	2460	C
DG12-160	12	160	116.9	53	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	6	2450	E
DG12-180	12	180	116.9	53	F16/F12	530	20.87	209	8.23	214	8.43	219	8.62	5.5	2700	E
DG12-200	12	200	132.3	60	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	5.2	3020	E
DG12-225	12	225	143.3	65	F16/F12	522	20.55	240	9.45	219	8.62	240	9.45	4.8	3650	E
DG12-230	12	230	147.7	67	F12	521	20.51	269	10.59	203	7.99	208	8.19	5.5	2750	E
DG12-260	12	260	163.2	74	F14	520	20.47	268	10.55	220	8.66	225	8.86	5	4460	E

Certificates

Model	Nominal Voltage	Capacity C ₂₀	Weight		Terminal Type	Dimensions								Internal Resistance (mΩ@25°C)	Short Circuit Current (A)	Terminal Position
	(V)		(Ah)	Lbs		Kg	Length		Width		Height		Total Height			
						mm	inch	mm	inch	mm	inch	mm	inch			
FTG12-55	12	55	39.69	18	F11	277	10.91	106	4.17	222	8.74	222	8.74	9.0	1250	E
FTG12-90	12	90	52.92	24	F6	563	22.17	114	4.49	188	7.40	188	7.40	8.7	2030	E
FTG12-105	12	105	71.66	32.5	F8	508	20.00	111	4.37	236	9.29	236	9.29	7.5	2120	E
FTG12-110	12	110	72.77	33	F9	394	15.51	109	4.29	285	11.22	285	11.22	7.2	2240	E
FTG12-125	12	125	79.38	36	F9	551	21.69	109	4.29	239	9.41	239	9.41	6.0	2650	E
FTG12-125S	12	125	90.41	41	F9	436	17.17	107	4.21	317	12.48	323	12.72	6.0	2600	E
FTG12-135	12	135	90.41	41	F9	551	21.69	109	4.29	239	9.41	239	9.41	6.0	2450	E
FTG12-150	12	150	99.23	45	F9	551	21.69	110	4.33	288	11.34	288	11.34	6.0	2850	E
FTG12-160	12	160	108.0	49	F9	551	21.69	110	4.33	288	11.34	288	11.34	5.8	3050	E
FTG12-170	12	180	110.3	50	F9	560	22.05	125	4.92	316	12.44	316	12.44	5.0	3250	E
FTG12-180	12	180	114.7	52	F9	560	22.05	125	4.92	316	12.44	316	12.44	5.0	3650	E
FTG12-180S	12	180	114.7	52	F9	546	21.50	125	4.92	317	12.48	325	12.80	5.0	3600	E
FTG12-185	12	185	132.3	60	F9	560	22.05	125	4.92	316	12.44	316	12.44	4.8	3750	E
FTG12-185S	12	185	132.3	60	F9	546	21.50	125	4.92	317	12.48	325	12.80	4.8	3700	E
DG2-200	2	200	30.87	14	F10	171	6.73	111	4.37	329	12.95	366	14.41	1.2	2200	G
DG2-250	2	250	38.59	17.5	F10	171	6.73	150	5.91	329	12.95	366	14.41	1.2	2350	G
DG2-300	2	300	41.90	19	F10	171	6.73	150	5.91	330	12.99	366	14.41	1.1	2450	G
DG2-350	2	350	54.02	24.5	F10	211	8.31	176	6.93	329	12.95	366	14.41	1.0	2640	H
DG2-400	2	400	57.33	26	F10	211	8.31	176	6.93	329	12.95	366	14.41	0.95	2820	H
DG2-450	2	450	63.95	29	F10	242	9.53	172	6.77	329	12.95	366	14.41	0.92	3000	H
DG2-500	2	500	67.25	30.5	F10	242	9.53	172	6.77	329	12.95	366	14.41	0.9	3850	H
DG2-600	2	600	81.59	37	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.85	4250	H
DG2-650	2	650	88.20	40	F10	302	11.89	175	6.89	328	12.91	366	14.41	0.82	4350	H
DG2-750	2	750	101.4	46	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.75	5000	J
DG2-800	2	800	110.3	50	F10	411	16.18	175	6.89	327	12.87	368	14.49	0.72	5250	J
DG2-1000	2	1000	136.7	62	F10	479	18.86	175	6.89	327	12.87	368	14.49	0.65	5870	J
DG2-1200	2	1200	167.6	76	F10	479	18.86	175	6.89	327	12.87	368	14.49	0.62	6950	J
DG2-1500	2	1500	211.7	96	F10	401	15.79	352	13.86	338	13.31	383	15.08	0.60	9170	K
DG2-2000	2	2000	278.9	126.5	F10	490	19.29	349	13.74	338	13.31	383	15.08	0.50	11500	L
DG2-2500	2	2500	377.1	171	F10	712	28.03	351	13.82	338	13.31	383	15.08	0.40	15000	L
DG2-3000	2	3000	425.6	193	F10	712	28.03	351	13.82	338	13.31	383	15.08	0.33	19000	L
HSG12-65	12	65	46.31	21	F11	350	13.78	167	6.57	180	7.09	183	7.20	7.5	1280	C
HSG12-80	12	80	52.92	24	F11	350	13.78	167	6.57	180	7.09	183	7.20	6.8	1510	C
HSG12-100	12	100	66.15	30	F12	328	12.91	172	6.77	217	8.54	222	8.74	7.5	1760	C
HSG2-500	2	500	67.25	30.5	F10	241	9.49	172	6.77	331	13.03	366	14.41	0.9	3850	H

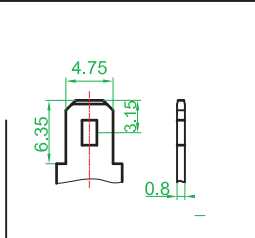
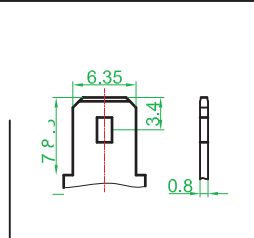
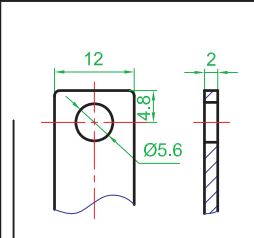
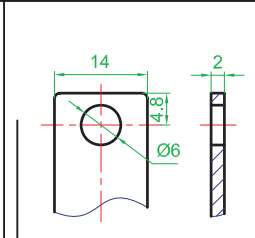
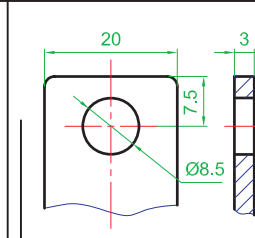
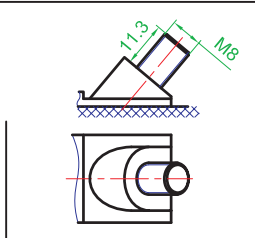
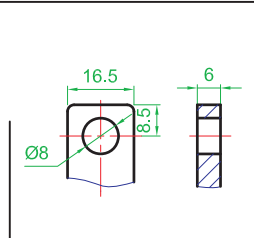
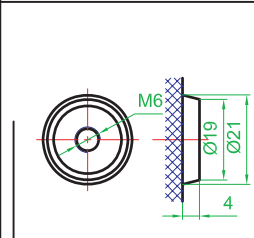
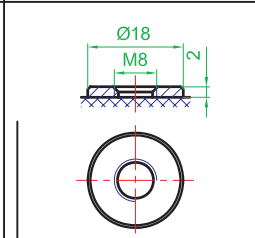
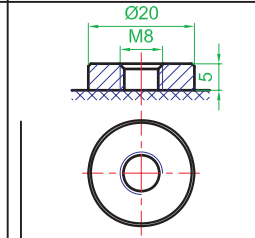
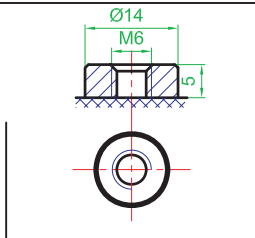
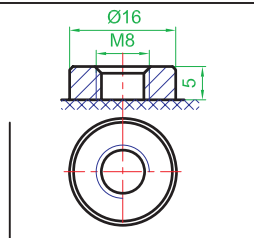
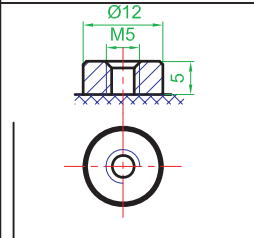
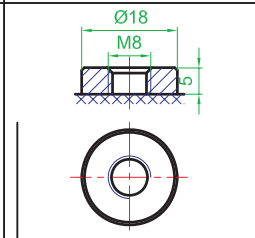
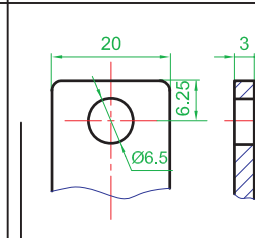
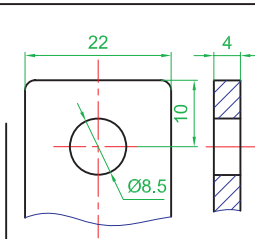
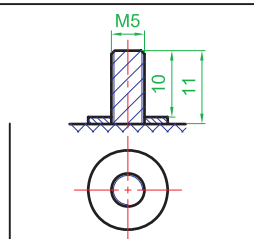
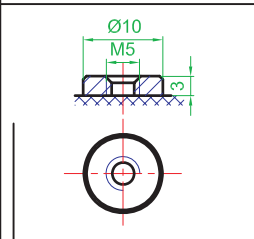
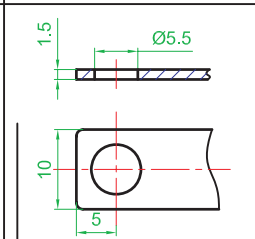
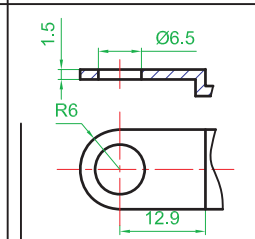
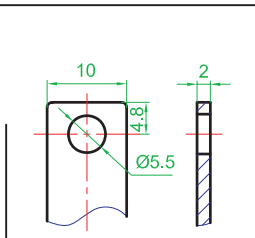
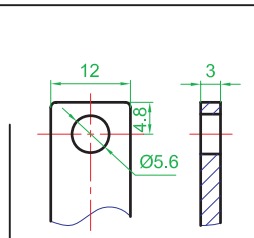
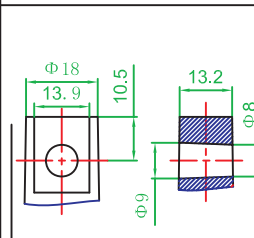
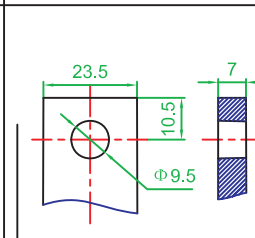
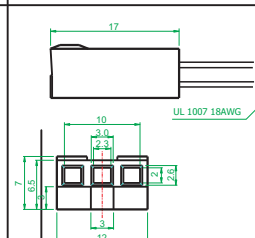
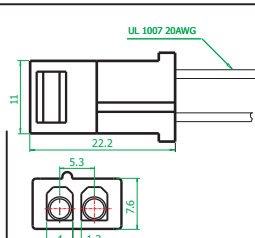
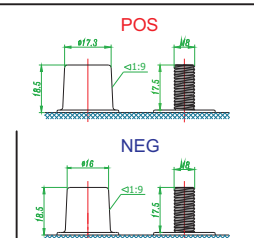
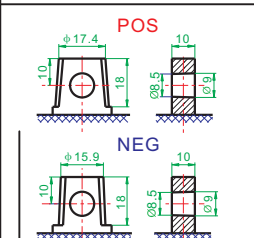
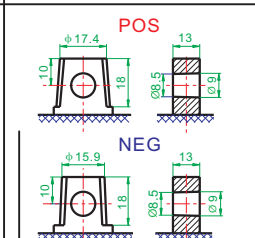


- UL: MH28539
- CE: G4M20206-910-E-16
- ISO9001, ISO14001, OHSAS18001

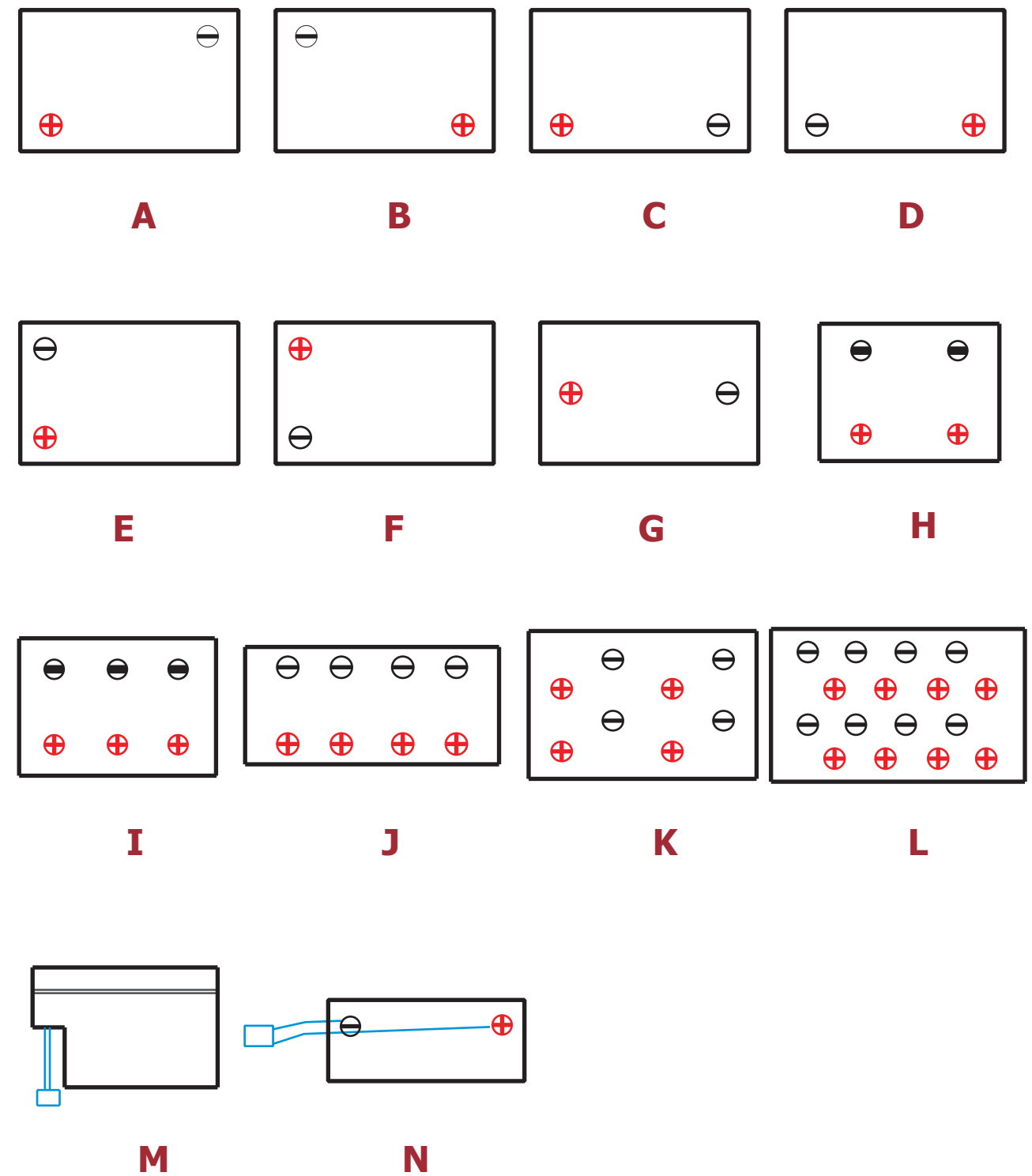
* HS battery:

Container and lid is sealed with heat seal technology; automatic through the-partition welding between inter-cell.

Terminal Drawing:

 F1 Terminal	 F2 Terminal	 F3 Terminal	 F4 Terminal	 F5 Terminal
 F6 Terminal	 F7 Terminal	 F8 Terminal	 F9 Terminal	 F10 Terminal
 F11 Terminal	 F12 Terminal	 F13 Terminal	 F14 Terminal	 F15 Terminal
 F16 Terminal	 F17 Terminal	 F18 Terminal	 T23 Terminal	 T24 Terminal
 T25 Terminal	 T26 Terminal	 L1 Terminal	 L2 Terminal	 T1 Terminal
 T9 Terminal	 F22 Terminal	 L3 Terminal	 L4 Terminal	

Post Position:



New Industrial Park in Hunan Province

Hengyang Ritar Power Co., Ltd. is located in Songmu Industrial Park, Hengyang, Hunan Province. Ritar plans to invest a total of USD50 million to buy a land with 266,680 square meters. The Projects are with three phases, after completion, the annual output value will exceed 5 billion RMB, and this industrial park will become one of the largest SLA battery manufacturing centers in Asia.

Hengyang is famous for rich resources of non-ferrous metals and non-metal, but known as the lead capital. The foundation of Hengyang manufacturing base has realized the integration of industrial chains. The present annual capacity is 5 million KVAH.

