



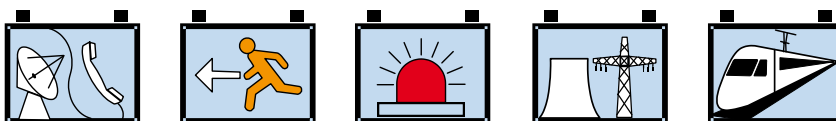
EverExceed[®]
power your applications

V2.1

Modular Range VRLA



»Premium quality for uninterrupted communication«



www.everexceed.com



Modular Range Valve Regulated Lead Acid
2 Volt Flat Pasted Plate Battery

2V 50AH to 4000AH @ C10

EverExceed Modular Range Valve Regulated Lead Acid (V.R.L.A.) batteries are designed for the long standby back-up power requirements of wireless / PCS telecommunications, MTSO's, central offices, utilities, switchgear and control applications. EverExceed advanced AGM absorbed electrolyte technology ensures reliable performance, safety, outstanding battery life and value. Battery has a design life of 20 years and complies with BS6290 Part4, EUROBAT (IEC 896-2) standards and is a recognized component of UL1989 under the Standby Battery Category.

Applicable Operating temperature range:
-40°C (-40°F) to +70°C (+158°F)

Ideal Operating temperature range:
+20°C (+68°F) to +28°C (+82.4°F)

Storage time from a fully charged condition:
12 months at 20°C~25°C / 68°F~77°F.
For each 9°C / 15°F rise, reduce the storage time by half.

Applications

- | | |
|-----------------------|----------------------|
| Telecommunications | Cellular Radio |
| Emergency Lighting | Control Systems |
| Navigation Aids | Standby Power Supply |
| UPS system | Photovoltaic/Solar |
| Switchgear/Substation | Power Plant |

Innovative Features

- ◆ 20 years design life@20°C (68°F);
- ◆ Valve Regulated Lead Acid (V.R.L.A.) design;
- ◆ High-Compression Absorbed Glass Mat technology (AGM) for greater than 99% recombination efficiency;
- ◆ Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection;
- ◆ Thickness positive plate design plus optimized high tin plate grid alloy to ensure that the plates have outstanding corrosion resistance and ultra long deep cycle life;
- ◆ Unique performance against high temperature;
- ◆ Non-gassing;
- ◆ Never needs addition of water;
- ◆ Spill-proof and leak-proof;
- ◆ Operates at a low internal pressure;
- ◆ For use in vertical or horizontal position;
- ◆ Each cell has a low pressure safety release venting system;
- ◆ Flame Retardant material optional;
(UL 94 V-0 & BS 6334 FVO Standards)

Specifications

- Positive Plate: Lead-Calcium-Tin Flat Plate Grid;
- Negative Plate: Flat Pasted Grid;
- Electrolyte: Dilute Sulfuric Acid;
- Container & Cover:
Standard: Reinforced ABS (UL 94HB);
Optional: Flame-retardant reinforced ABS compliant with U.L.94 V-0 with an Oxygen limiting, Index of greater than 28%.
- Separators: Absorptive Glass Mat Separator;
- Float Voltage: 2.25 VPC +/- 1% at 20°C /25°C;
- Cycle service: 2.35 VPC +/- 1% at 20°C /25°C;
- Max. Charge Voltage: 2.40 VPC at 20°C /25°C;
- Safety One-Way Value: 1-3PSI self-resealing;
- Terminals: Silver plated Integral Copper Insert.

No transport restrictions

- Surface transport. Classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189.
- Marine transport. Classified as non-hazardous material as per IMDG amendment 27.
- Air transport. Complies with IATA/ICAO, Special provision A67.



Introduction

EverExceed Modular Range VRLA batteries are of the Absorbed Electrolyte type. The cells are designed so that a controlled amount of electrolyte is contained within an absorbent non-woven separator material that also separates the battery plates. This type of separator construction allows full wetting of the plates with the available electrolyte and also allows the free passage of the oxygen generated during charging. This construction is generally referred to as Absorbed Glass Mat (AGM) type.

Valve regulated batteries are fully sealed with exception of a one way valve that opens when excess pressure builds up inside the battery and closes when the pressure is released. The recombination of charge gases is accomplished by allowing oxygen produced at the positive plate. The safety valve controls the internal pressure of the battery to optimize the efficiency of the recombination reaction and minimize the possible loss of electrolyte.

General Features

Valve Regulated (Sealed) Construction

Modular Range valve regulated AGM (Absorbed Glass Mat) rechargeable lead acid batteries are for safe, maintenance free operation in Vertical or Horizontal position. The acid is suspended in a specially formulated non-woven glass mat separator. All the acid is absorbed in this manner and it provides a safe leak proof & non-spillable battery.

Gas Recombination System

The gasses generated in the normal charge / discharge use of the battery are recombined during normal operation. In normal operation, more than 99% of the gasses generated are efficiently recombined.

Maintenance Free

The Battery has been designed and built such that no addition of electrolyte is needed for the life of the battery. There is no need to add water or take specific gravity readings.

Battery Life – Float Service

EverExceed Modular Range is designed for float (Standby) service with design life of 18 years at 20°C (68°F).

Battery Life – Cycle Service

EverExceed Modular Range is designed for more than 4000 charge / discharge cycles, actual quantity will depend on the Depth of Discharge (D.O.D.).

Safety Valve

If excess pressure builds up within the battery, the safety valve automatically opens and re-closes, releasing the gas at 1-3 PSI. The valve does not allow the ingress of oxygen which is harmful and reduces the life expectation of the battery.

Temperature Range for Normal Operation

EverExceed Modular Range has a wide operating temperature range. However for maximum life and safety, continuous operation over 45°C is not recommended.

Grid Design and Paste Formation

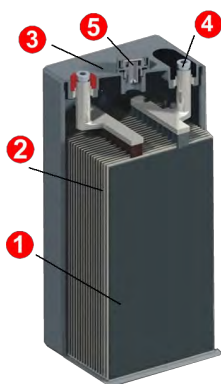
EverExceed has optimized the grid design and paste formation to maximize the operating and storage life of the AGM battery.

This optimized design provides the following advantages:

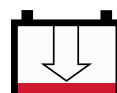
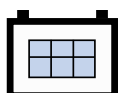
Excellent recovery from deep discharge or over discharge;

Low self-discharge to ensure maximum storage time when not in use;

Adequate safety margins in tough operating conditions.



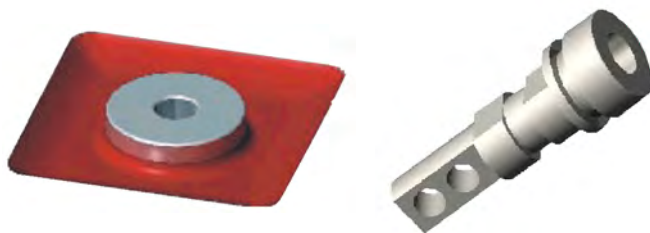
- 1 Plates:**
calcium / high tin lead alloy, optimized for high corrosion resistance and long deep cycle life.
- 2 Separator:**
Highly porous glass micro-fibre separator, optimized for low internal resistance, for maximum Absorption of the electrolyte and for electrical separation of the positive and negative plates
- 3 Standard Housing:**
Reinforced ABS (UL 94HB) container and cover.
Optional Housing:
Flame-retardant reinforced ABS container and cover compliant with U.L.94 V-0 with an Oxygen limiting Index of greater than 28%.
- 4 Terminals:**
Silver plated Copper female insert for easy and safe assembly and maintenance free connection with excellent conductivity.
- 5 Valves:**
Release gas in case of excess pressure and protects the cell against atmosphere.



Modular Range Electrical Specifications & Dimensions

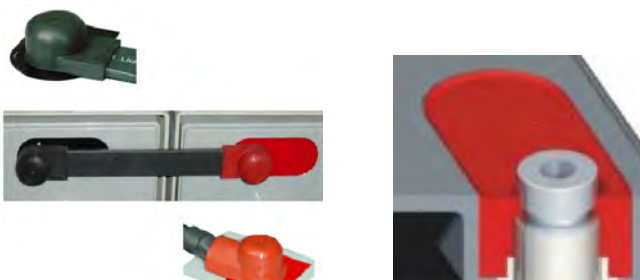
Battery Model	Nom. Voltage (V)	Capacity 10hr rate to 1.80Vpc @ 20°C (Ah)	Short Circuit Current (A)	Internal Resistance Milli-ohms	No. of Term.	Max. Charge Current (A)	Terminal Type	Battery Weight (kg/lb)	Outline Dimensions (mm/inch)			
									Length	Width	Height	Total Height
MR 2-50	2	50	510	1.5	2	10	F-M6	3.0 / 6.6	161 / 6.34	50 / 1.97	166 / 6.54	166 / 6.54
MR 2-100	2	100	1100	1.2	2	20	F-M8	6.0 / 13.2	171 / 6.74	72 / 2.83	205 / 8.07	205 / 8.07
MR 2-150	2	150	1560	1.0	2	30	F-M8	8.0 / 17.6	171 / 6.74	102 / 4.02	205 / 8.07	227 / 8.94
MR 2-200	2	200	1620	0.8	2	40	F-M8	13.0 / 28.6	171 / 6.74	106 / 4.18	330 / 13.0	365 / 14.4
MR 2-250	2	250	2050	0.75	2	50	F-M8	15.0 / 33.0	171 / 6.74	106 / 4.18	330 / 13.0	365 / 14.4
MR 2-300	2	300	2410	0.7	2	60	F-M8	16.0 / 35.2	171 / 6.74	151 / 5.95	330 / 13.0	365 / 14.4
MR 2-350	2	350	2830	0.65	2	70	F-M8	19.0 / 41.8	171 / 6.74	151 / 5.95	330 / 13.0	365 / 14.4
MR 2-400	2	400	3220	0.6	4	80	F-M8	24.0 / 52.8	210 / 8.27	173 / 6.82	330 / 13.0	365 / 14.4
MR 2-500	2	500	4100	0.52	4	100	F-M8	27.0 / 59.4	241 / 9.50	171 / 6.74	330 / 13.0	365 / 14.4
MR 2-600	2	600	4860	0.45	4	120	F-M8	39.0 / 85.8	302 / 11.9	175 / 6.90	330 / 13.0	365 / 14.4
MR 2-700	2	700	5635	0.41	4	140	F-M8	42.0 / 92.4	302 / 11.9	175 / 6.90	330 / 13.0	365 / 14.4
MR 2-800	2	800	6400	0.38	8	160	F-M8	48.0 / 106	410 / 16.2	175 / 6.90	330 / 13.0	365 / 14.4
MR 2-1000	2	1000	7900	0.32	8	200	F-M8	59.0 / 129	482 / 19.0	175 / 6.90	330 / 13.0	365 / 14.4
MR 2-1200	2	1250	10050	0.25	8	240	F-M8	67.0 / 147	482 / 19.0	175 / 6.90	330 / 13.0	365 / 14.4
MR 2-1500	2	1500	11950	0.22	8	300	F-M8	95.0 / 209	400 / 15.8	350 / 13.8	345 / 13.6	378 / 14.9
MR 2-1800	2	1800	15100	0.20	16	360	F-M8	110 / 242	490 / 19.3	350 / 13.8	345 / 13.6	383 / 15.1
MR 2-2000	2	2000	16200	0.18	16	400	F-M8	120 / 264	490 / 19.3	350 / 13.8	345 / 13.6	383 / 15.1
MR 2-2500	2	2500	19900	0.16	16	500	F-M8	135 / 297	490 / 19.3	350 / 13.8	345 / 13.6	383 / 15.1
MR 2-3000	2	3000	24200	0.11	16	600	F-M8	165 / 363	710 / 27.9	350 / 13.8	345 / 13.6	383 / 15.1
MR 2-4000	2	4000	31500	0.10	16	800	F-M8	185 / 407	710 / 27.9	350 / 13.8	345 / 13.6	383 / 15.1

Terminal Type

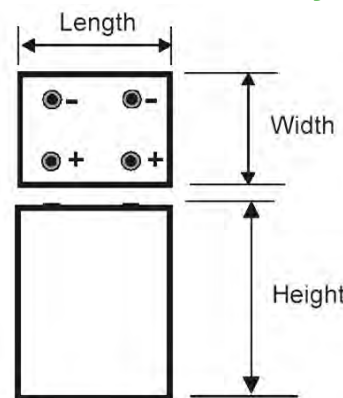


F-M6: Copper Insert type terminal with 14 mm Diameter insert. Standing 5mm above the top of the battery case with M6 thread M6 bolt. Flat and Spring washer supplied.

F-M8: Copper Insert type terminal with 20 mm Diameter insert. Standing 5mm above the top of the battery case with M8 thread M8 bolt. Flat and Spring washer supplied.



Cell Dimensions for Rack Layout



Battery Float Voltage

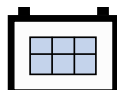
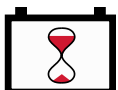
Ambient Temperature	Recommended Applied Float Voltage VPC
0~9°C	2.33-2.35
10~14°C	2.30-2.33
15~19°C	2.27-2.30
20~24°C	2.25-2.27
25~29°C	2.23-2.25
30~34°C	2.21-2.23
35~40°C	2.21-2.23



Modular Range Cell Discharge Ampere Data @ 20°C

Battery Model	End Vpc	Discharge Data Amps @ 20°C											
		Discharge Time In Minutes			Discharge Time In Hours								
		30min	45min	60min	2h	3h	4h	5h	6h	8h	10h	20h	
MR 2-50	1.80	43.2	33.6	27.8	16.4	12.6	10.3	8.7	7.6	6.1	5.1	2.7	
	1.75	45.8	35.3	29.0	17.1	13.1	10.7	9.0	7.8	6.2	5.1	2.7	
	1.65	50.3	38.2	31.1	18.1	13.8	11.2	9.3	8.1	6.4	5.2	2.8	
MR 2-100	1.80	86.4	67.1	55.7	32.9	25.3	20.7	17.4	15.2	12.2	10.1	5.4	
	1.75	91.5	70.6	58.1	34.3	26.2	21.4	17.9	15.6	12.4	10.2	5.5	
	1.65	101	76.5	62.3	36.3	27.5	22.3	18.6	16.1	12.8	10.5	5.6	
MR 2-150	1.80	130	101	83.5	49.3	37.9	31.0	26.1	22.9	18.3	15.2	8.1	
	1.75	137	106	87.1	51.4	39.3	32.1	26.9	23.4	18.6	15.3	8.2	
	1.65	151	115	93.4	54.4	41.3	33.5	28.0	24.2	19.2	15.7	8.3	
MR 2-200	1.80	173	134	111	65.7	50.5	41.4	34.8	30.5	24.4	20.2	10.8	
	1.75	183	141	116	68.5	52.4	42.7	35.8	31.2	24.8	20.4	10.9	
	1.65	201	153	125	72.6	55.0	44.6	37.3	32.2	25.6	20.9	11.1	
MR 2-250	1.80	216	168	139	82.2	63.2	51.7	43.5	38.1	30.5	25.3	13.5	
	1.75	229	177	145	85.7	65.5	53.4	44.8	39.0	31.0	25.5	13.6	
	1.65	252	191	156	90.7	68.8	55.8	46.6	40.3	32.1	26.1	13.9	
MR 2-300	1.80	259	201	167	98.6	75.8	62.1	52.2	45.7	36.6	30.3	16.2	
	1.75	275	212	174	103	78.6	64.1	53.8	46.8	37.2	30.6	16.4	
	1.65	302	229	187	109	82.5	66.9	55.9	48.4	38.5	31.4	16.7	
MR 2-350	1.80	303	235	195	115	88.5	72.5	60.9	53.4	42.7	35.4	18.9	
	1.75	320	247	203	120	91.8	74.8	62.7	54.6	43.5	35.7	19.1	
	1.65	353	268	218	127	96.3	78.1	65.3	56.4	44.9	36.6	19.5	
MR 2-400	1.80	346	269	223	132	101	82.8	69.7	61.0	48.8	40.4	21.6	
	1.75	366	283	232	137	105	85.5	71.7	62.4	49.7	40.8	21.8	
	1.65	403	306	249	145	110	89.3	74.6	64.5	51.3	41.8	22.3	
MR 2-450	1.80	389	302	250	148	114	93.1	78.3	68.6	54.9	45.5	24.3	
	1.75	412	318	261	154	118	96.2	80.6	70.2	55.9	45.9	24.6	
	1.65	453	344	280	163	124	100	83.9	72.5	57.7	47.0	25.0	
MR 2-500	1.80	432	336	278	164	126	104	87.1	76.3	61.1	50.5	27.0	
	1.75	458	353	290	171	131	107	89.6	78.1	62.1	51.0	27.3	
	1.65	504	382.6	311	182	138	112	93.3	80.6	64.1	52.3	27.8	

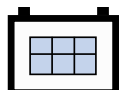
Actual Battery Discharge Data may be +/-5% of figures shown above.



Modular Range Cell Discharge Ampere Data @ 20°C

Battery Model	End Vpc	Discharge Data Amps @ 20°C											
		Discharge Time In Minutes			Discharge Time In Hours								
		30min	45min	60min	2h	3h	4h	5h	6h	8h	10h	20h	
MR 2-600	1.80	519	403	334	197	152	124	104	91.5	73.3	60.6	32.5	
	1.75	549	424	349	206	157	128	108	93.7	74.5	61.2	32.8	
	1.65	604	459	374	218	165	134	112	96.8	77.0	62.7	33.4	
MR 2-700	1.80	605	470	390	230	177	145	122	107	85.5	70.7	37.9	
	1.75	641	495	407	240	184	150	126	109	86.9	71.5	38.2	
	1.65	705	536	436	254	193	156	131	113	89.8	73.2	39.0	
MR 2-800	1.80	692	538	446	263	202	166	139	122	97.7	80.9	43.3	
	1.75	733	565	465	274	210	171	143	125	99.4	81.7	43.7	
	1.65	806	612	499	291	220	179	149	129	103	83.7	44.5	
MR 2-1000	1.80	865	672	557	329	253	207	174	153	122	101	54.1	
	1.75	916	707	581	343	262	214	179	156	124	102	54.6	
	1.65	1008	766	623	363	275	223	187	161	128	105	55.7	
MR 2-1200	1.80	1038	806	668	395	304	249	209	183	147	121	64.9	
	1.75	1099	848	697	412	315	257	215	187	149	123	65.6	
	1.65	1209	919	748	436	330	268	224	194	154	126	66.8	
MR 2-1500	1.80	1297	1008	835	493	379	311	261	229	183	152	81.2	
	1.75	1374	1060	872	514	393	321	269	234	186	153	82.0	
	1.65	1512	1148	935	545	413	335	280	242	193	157	83.5	
MR 2-1800	1.80	1557	1210	1003	592	455	373	314	275	220	182	97.4	
	1.75	1648	1272	1046	617	472	385	323	281	224	184	98.3	
	1.65	1814	1378	1122	654	496	402	336	290	231	188	100	
MR 2-2000	1.80	1730	1344	1114	658	506	414	348	305	244	202	108	
	1.75	1832	1413	1162	686	525	428	359	312	248	204	109	
	1.65	2016	1531	1246	727	551	447	373	323	257	209	111	
MR 2-2500	1.80	2162	1680	1392	822	632	518	436	381	305	253	135	
	1.75	2290	1767	1453	857	656	535	448	390	311	255	137	
	1.65	2519	1914	1558	908	688	558	466	403	321	262	139	
MR 2-3000	1.80	2595	2016	1671	987	759	621	523	458	366	303	162	
	1.75	2747	2120	1743	1029	787	642	538	469	373	306	164	
	1.65	3023	2297	1869	1090	826	670	560	484	385	314	167	
MR 2-4000	1.80	3459	2688	2228	1316	1012	829	697	610	489	404	216	
	1.75	3663	2827	2325	1372	1049	856	717	625	497	408	219	
	1.65	4031	3062	2493	1453	1101	893	746	645	513	418	223	

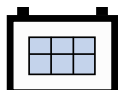
Actual Battery Discharge Data may be +/-5% of figures shown above.



Modular Range Cell Discharge Watts Data @ 20°C

Battery Model	End Vpc	Discharge Data Watts @ 20°C											
		Discharge Time In Minutes			Discharge Time In Hours								
		30min	45min	60min	2h	3h	4h	5h	6h	8h	10h	20h	
MR 2-50	1.80	81.9	64.2	53.5	31.8	24.6	20.2	17.0	15.0	12.1	10.0	5.4	
	1.75	86.0	67.0	55.6	33.0	25.4	20.8	17.5	15.3	12.3	10.1	5.4	
	1.65	93.2	71.7	59.0	34.7	26.4	21.6	18.1	15.8	12.6	10.3	5.5	
MR 2-100	1.80	164	128	107	63.6	49.1	40.4	34.1	30.0	24.1	20.0	10.8	
	1.75	172	134	111	66.0	50.9	41.7	35.0	30.6	24.5	20.3	10.9	
	1.65	186	143	118	69.4	52.9	43.1	36.2	31.5	25.2	20.7	11.1	
MR 2-150	1.80	246	192	161	95.5	73.7	60.6	51.1	45.0	36.2	30.1	16.1	
	1.75	258	201	167	99.1	76.3	62.5	52.5	45.9	36.8	30.4	16.3	
	1.65	280	215	177	104	79.3	64.7	54.2	47.3	37.8	31.0	16.6	
MR 2-200	1.80	327	257	214	127	98.3	80.8	68.2	59.9	48.2	40.1	21.5	
	1.75	344	268	222	132	102	83.3	70.0	61.2	49.0	40.5	21.7	
	1.65	373	287	236	139	106	86.2	72.3	63.0	50.4	41.3	22.1	
MR 2-250	1.80	409	321	268	159	123	101	85.2	74.9	60.3	50.1	26.9	
	1.75	430	335	278	165	127	104	87.6	76.5	61.3	50.6	27.2	
	1.65	466	358	295	174	132	108	90.4	78.8	63.0	51.6	27.7	
MR 2-300	1.80	491	385	321	191	147	121	102	89.9	72.3	60.1	32.3	
	1.75	516	402	334	198	153	125	105	91.8	73.5	60.8	32.6	
	1.65	559	430	354	208	159	129	108	94.6	75.6	62.0	33.2	
MR 2-350	1.80	573	449	375	223	172	141	119	105	84.4	70.2	37.7	
	1.75	603	469	389	231	178	146	123	107	85.8	70.9	38.0	
	1.65	653	502	413	243	185	151	127	110	88.2	72.3	38.8	
MR 2-400	1.80	655	513	428	255	197	162	136	120	96.4	80.2	43.1	
	1.75	689	537	445	264	204	167	140	122	98.1	81.0	43.5	
	1.65	746	574	472	278	212	173	145	126	101	82.7	44.3	
MR 2-450	1.80	737	577	482	286	221	182	153	135	108	90.2	48.4	
	1.75	774	603	500	297	229	187	158	138	110	91.1	48.9	
	1.65	839	645	531	312	238	194	163	142	113	92.9	49.8	
MR 2-500	1.80	819	642	535	318	246	202	171	150	121	100	53.8	
	1.75	861	671	556	330	254	208	175	153	123	101	54.4	
	1.65	933	717	590	347	265	216	181	158	126	103	55.4	

Actual Battery Discharge Data may be +/-5% of figures shown above.



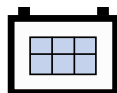
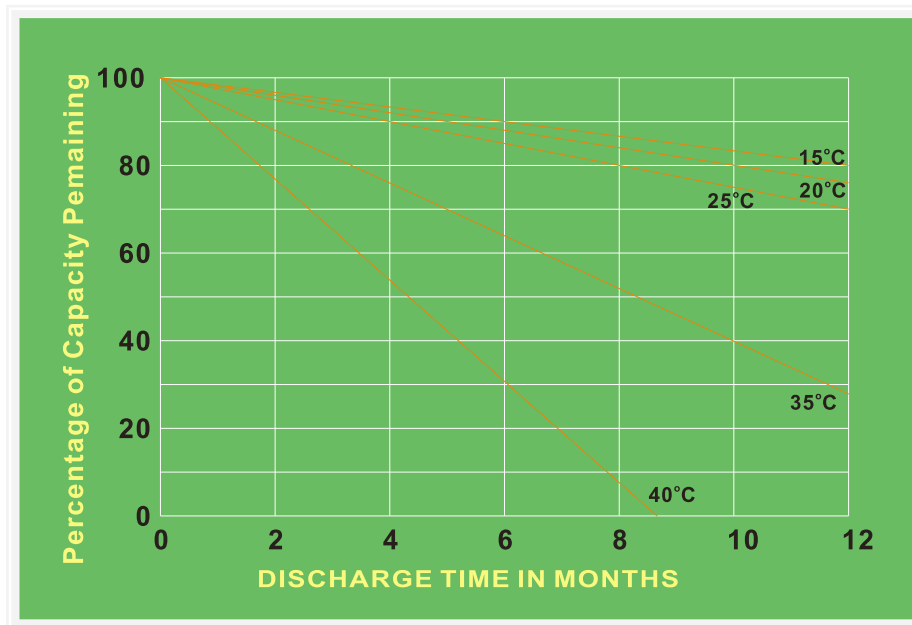
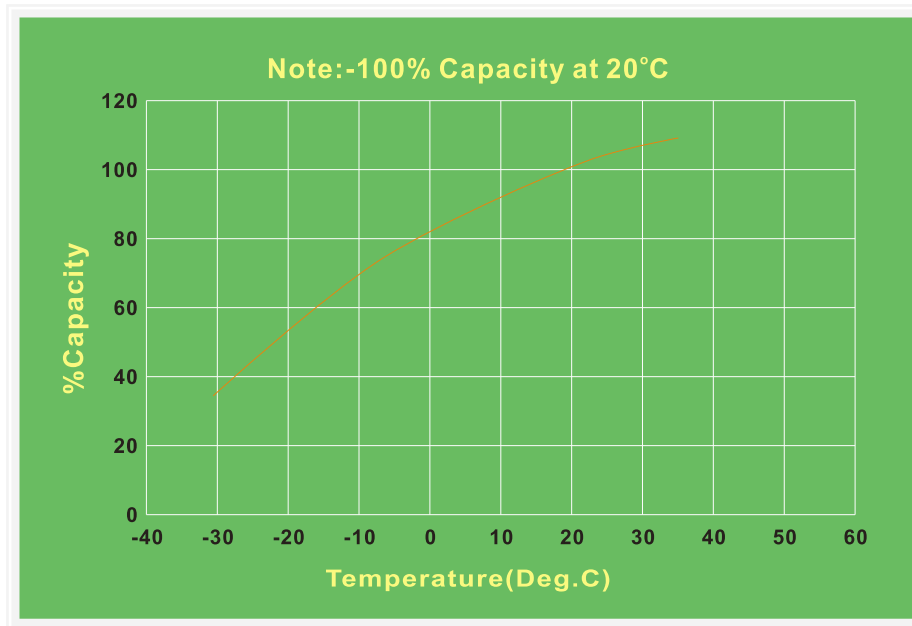
Modular Range Cell Discharge Watts Data @ 20°C

Battery Model	End Vpc	Discharge Data Watts @ 20°C											
		Discharge Time In Minutes			Discharge Time In Hours								
		30min	45min	60min	2h	3h	4h	5h	6h	8h	10h	20h	
MR 2-600	1.80	983	770	643	382	295	243	205	180	145	120	64.6	
	1.75	1033	805	667	396	305	250	210	184	147	122	65.2	
	1.65	1119	861	708	417	317	259	217	189	151	124	66.5	
MR 2-700	1.80	1147	899	750	446	344	283	239	210	169	140	75.4	
	1.75	1206	939	779	463	356	292	245	214	172	142	76.1	
	1.65	1306	1004	826	486	370	302	253	221	176	145	77.6	
MR 2-800	1.80	1311	1027	857	510	393	323	273	240	193	161	86.2	
	1.75	1378	1074	890	529	407	333	280	245	196	162	87.0	
	1.65	1493	1148	944	556	423	345	289	252	202	165	88.7	
MR 2-1000	1.80	1639	1284	1071	637	492	404	341	300	241	201	108	
	1.75	1722	1342	1113	661	509	417	350	306	245	203	109	
	1.65	1866	1435	1180	695	529	431	362	315	252	207	111	
MR 2-1200	1.80	1967	1541	1286	764	590	485	409	360	289	241	129	
	1.75	2067	1610	1335	793	611	500	421	367	294	243	131	
	1.65	2239	1722	1416	834	635	518	434	379	302	248	133	
MR 2-1500	1.80	2458	1926	1607	956	738	607	512	450	362	301	162	
	1.75	2584	2013	1669	991	763	625	526	459	368	304	163	
	1.65	2799	2152	1770	1042	794	647	543	473	378	310	166	
MR 2-1800	1.80	2950	2311	1928	1147	885	728	614	540	434	361	194	
	1.75	3100	2416	2003	1190	916	750	631	551	442	365	196	
	1.65	3358	2583	2124	1251	953	777	651	568	454	372	199	
MR 2-2000	1.80	3278	2568	2143	1274	984	809	682	600	482	401	215	
	1.75	3445	2684	2226	1322	1018	834	701	612	491	405	218	
	1.65	3732	2870	2360	1390	1059	863	724	631	504	413	222	
MR 2-2500	1.80	4097	3210	2678	1593	1230	1011	853	750	603	502	269	
	1.75	4306	3355	2782	1652	1272	1042	876	765	613	507	272	
	1.65	4665	3587	2950	1737	1323	1079	905	789	630	517	277	
MR 2-3000	1.80	4916	3852	3214	1911	1475	1213	1024	900	724	602	323	
	1.75	5167	4026	3339	1983	1527	1251	1051	918	736	608	326	
	1.65	5597	4305	3540	2084	1588	1294	1085	946	756	620	332	
MR 2-4000	1.80	6555	5137	4285	2548	1967	1617	1365	1200	965	803	431	
	1.75	6889	5368	4451	2644	2036	1667	1402	1225	981	811	435	
	1.65	7463	5740	4720	2779	2117	1726	1447	1262	1008	827	443	

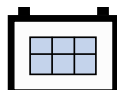
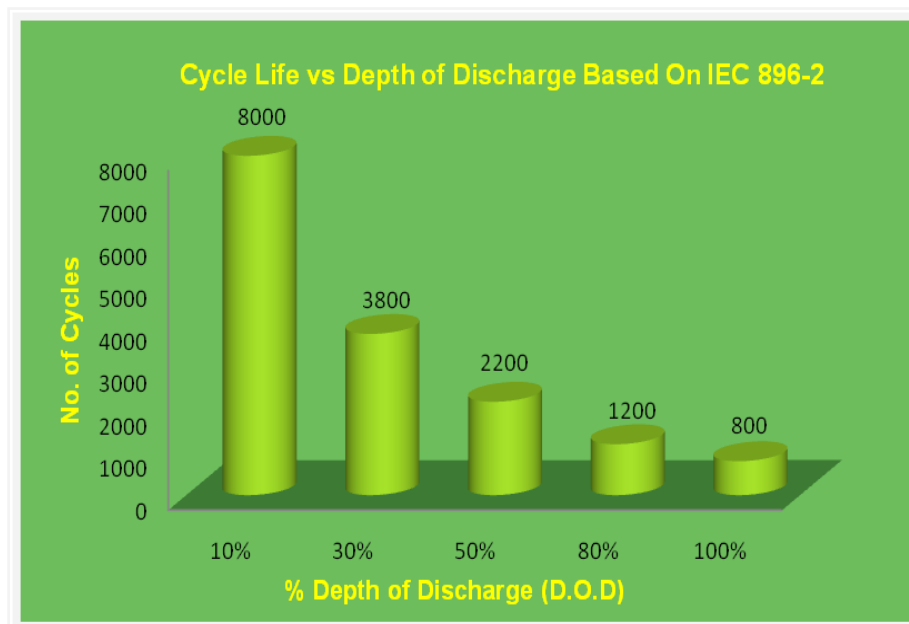
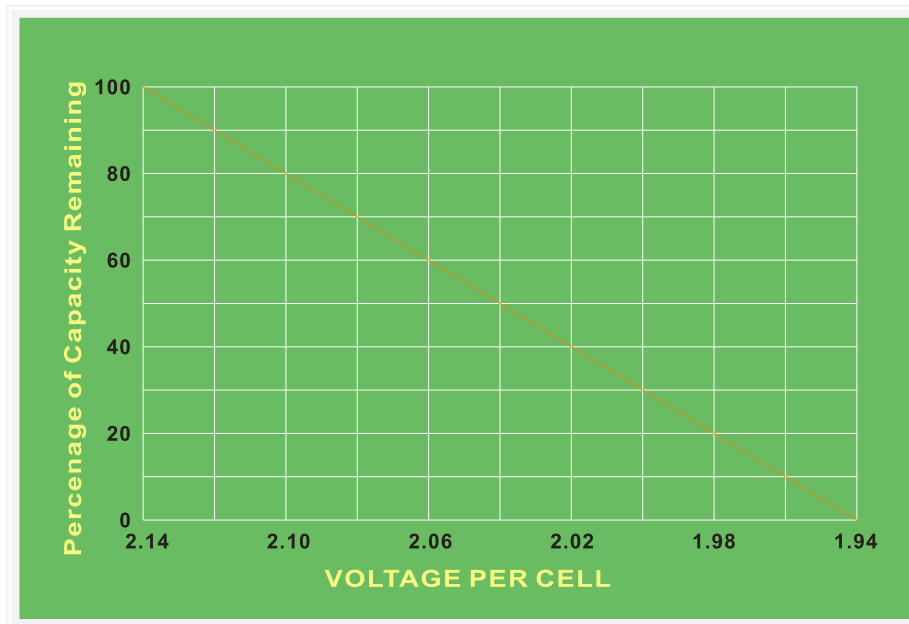
Actual Battery Discharge Data may be +/-5% of figures shown above.



MODULAR RANGE PERFORMANCE CURVES

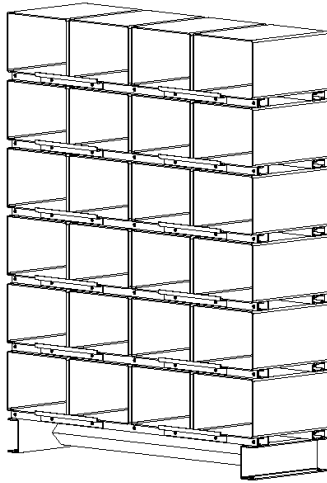


MODULAR RANGE PERFORMANCE CURVES

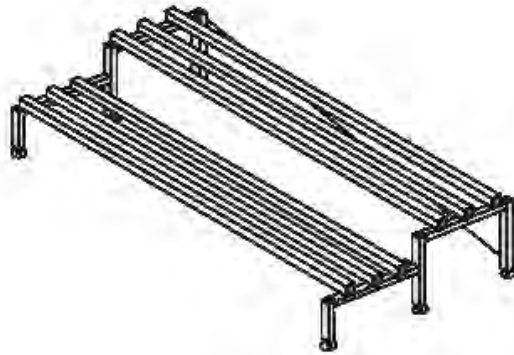


MODULAR RANGE – HORIZONTAL & VERTICAL RACKING SYSTEMS

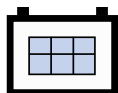
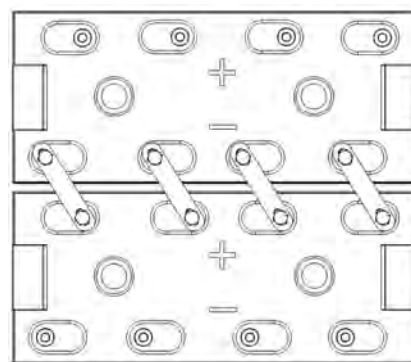
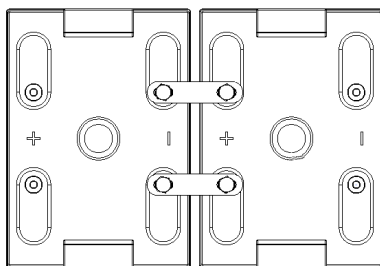
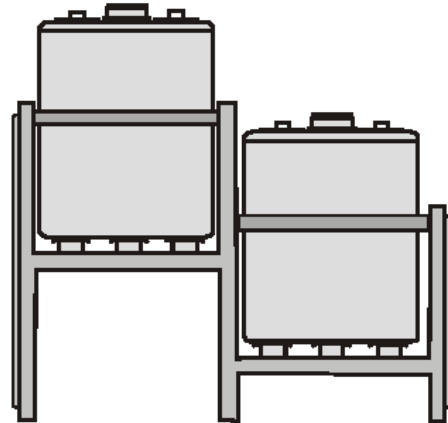
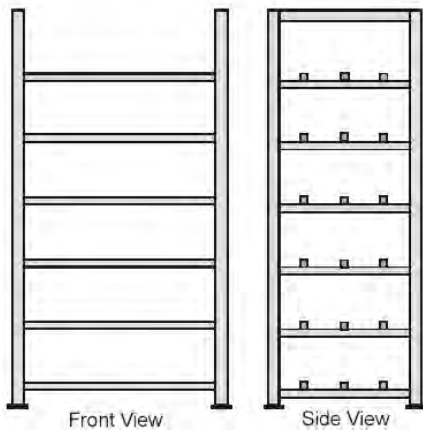
Modular Range batteries can be mounted on / in vertical or horizontal racking system. It is not recommended to mount batteries larger than 1200AH in horizontal position.



Typical rack for horizontal configuration of Modular Range batteries



Typical rack for vertical configuration of Modular Range batteries



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