

MICROLYTE 6-12 MP AGM RANGE

6/12V MONOBLOC FLAT PLATE AGM BATTERY



SEC - 6/12 - MP

info@secbattery.com / www.secbattery.com

SEC Industrial Battery Co. Ltd.

Battery Profile



DESIGN LIFE

5-8 year design life in float service @ 25°C

1.2Ah-250Ah at C/10 to 1.75Vpc at 25°C.

MANUFACTURED TO COMPLY

IEC 60896-21/22-2004
BS 6290 Part 4
Eurobat
UL Component approval
ISO 9001:2008
ISO 14001:2004

APPLICATIONS

UPS Systems
Telecommunication PABX
Emergency Lighting
Fire & Security Alarm System
Portable VTR/TV
Power tools
Computer
Fans
Electronic torch
Window washer

SPECIFICATIONS

Positive electrode:	Standard Calcium Grid Pasted Plate
Negative electrode:	Calcium Grid Plate
Float Voltage:	2.25 vpc \pm 1% at 20°C
Max.Charge Voltage:	2.35 vpc at 20°C
Container:	ABS grade as standard / flame retardant V-0 material as optional
Electrolyte:	Sulphuric Acid
Safety Valve:	1-3 PSI Self-Resealing
Separators:	Absorbed Glass Mat (AGM) Separator
Terminals:	Integral Copper Insert for Stainless Steel Bolt

INNOVATIVE FEATURES

- Valve regulated
- Propriety virgin Pure Lead Alloy
- Latest plates formation technology
- Maintenance Free
- Increased Capacity and Cycle life
- Never requires addition of water
- Spill proof and leak proof
- Very low gassing on float charge
- Explosion proof / Increased safety
- Low self-discharge
- Multicell container



CAPACITY

Ampere Hour @ 25°C



SEC Bloc Type	End Volts /Cell	DISCHARGE DATA AMPS				End Volts /Cell	DISCHARGE DATA AMPERE HOURS at 25°C											
		DISCHARGE TIME IN MINS			45MINS		DISCHARGE TIME IN HOURS											
		15MINS	30MINS	45MINS			1hr	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr
6-MP-1.3	1.67	2.15	1.36	1.03	1.75	0.78	0.90	0.94	1.02	1.06	1.10	1.14	1.16	1.20	1.20	1.30	1.33	
6-MP-3.2	1.67	4.98	3.15	2.39	1.75	1.81	2.10	2.30	2.48	2.71	2.80	2.88	3.01	3.10	3.12	3.30	3.36	
6-MP-4.5	1.67	7.15	4.52	3.43	1.75	2.60	3.02	3.06	3.30	3.56	3.70	3.83	4.07	4.20	4.31	4.50	4.56	
6-MP-4.5-SP	1.67	7.29	4.61	3.50	1.75	2.65	3.07	3.16	3.39	3.68	3.83	3.96	4.16	4.30	4.41	4.70	4.79	
6-MP-7.0	1.67	11.0	6.96	5.28	1.75	4.00	4.64	4.92	5.30	5.11	5.30	5.46	6.56	6.80	6.96	7.00	7.14	
6-MP-7.2	1.67	27.4	10.4	6.18	1.75	4.03	4.67	5.03	5.41	5.22	5.41	5.59	6.72	6.95	7.12	7.20	7.34	
6-MP-7.5	1.67	45.2	14.3	7.21	1.75	4.10	4.76	5.21	5.60	5.40	5.60	5.80	6.98	7.20	7.38	7.50	7.65	
6-MP-10	1.67	15.4	9.7	7.39	1.75	5.60	6.50	7.06	7.59	7.32	7.60	7.86	9.20	9.50	9.72	10.0	10.2	
6-MP-12	1.67	19.3	12.2	9.24	1.75	7.00	8.12	8.46	9.09	10.1	10.5	10.9	10.6	11.0	11.3	12.0	12.2	
6-MP-130	1.67	196	124	94.1	1.75	70.0	81.2	88.4	95.1	99.2	103	107	113	117	120	128	131	
6-MP-200	1.67	289	183	139	1.75	105	122	133	143	150	155	160	170	175	179	192	196	
6-MP-220	1.67	322	204	154	1.75	115	133	148	159	166	172	178	189	195	200	214	218	
6-MP-230	1.67	333	211	160	1.75	121	140	154	166	174	180	186	199	205	210	224	228	

12-MP-1.3	1.67	2.15	1.36	1.03	1.75	0.78	0.90	0.94	1.02	1.06	1.10	1.14	1.16	1.20	1.20	1.30	1.33
12-MP-2.2	1.67	3.44	2.18	1.65	1.75	1.25	1.45	1.53	1.65	1.79	1.85	1.91	1.92	2.00	2.04	2.20	2.16
12-MP-3.3	1.67	4.98	3.15	2.39	1.75	1.81	2.10	2.30	2.48	2.70	2.80	2.88	2.88	3.00	3.08	3.30	3.36
12-MP-4.5	1.67	7.29	4.61	3.50	1.75	2.65	3.07	3.16	3.39	3.68	3.83	3.96	4.07	4.20	4.31	4.50	4.56
12-MP-5.0	1.67	8.25	5.22	3.96	1.75	3.00	3.48	3.53	3.80	4.15	4.30	4.44	4.64	4.80	4.92	5.00	5.04
12-MP-5.0-SP	1.67	8.25	5.22	3.96	1.75	3.00	3.48	3.53	3.80	4.15	4.30	4.44	4.64	4.80	4.92	5.00	5.04
12-MP-6.0	1.67	9.08	5.74	4.36	1.75	3.30	3.83	4.18	4.50	4.92	5.10	5.28	5.52	5.70	5.84	6.00	6.12
12-MP-7.0	1.67	11.2	7.04	5.34	1.75	4.04	4.69	4.90	5.27	5.77	5.98	6.19	6.44	6.66	6.82	7.00	7.14
12-MP-7.2	1.67	11.6	7.31	5.54	1.75	4.20	4.87	5.02	5.40	5.88	6.10	6.30	6.56	6.80	6.96	7.20	7.34
12-MP-7.5	1.67	12.4	7.83	5.94	1.75	4.50	5.22	5.30	5.70	6.27	6.50	6.72	6.96	7.20	7.38	7.50	7.65
12-MP-8.0	1.67	12.7	8.00	6.07	1.75	4.60	5.34	5.58	6.00	6.56	6.80	7.02	7.28	7.50	7.68	8.00	8.16
12-MP-9.0	1.67	13.8	8.70	6.60	1.75	5.00	5.80	6.32	6.80	7.43	7.70	7.97	8.24	8.50	8.71	9.00	9.12
12-MP-12	1.67	19.3	12.2	9.24	1.75	7.00	8.12	8.46	9.09	10.1	10.5	10.9	10.6	11.0	11.3	12.0	12.2
12-MP-14	1.67	22.0	13.9	10.6	1.75	8.00	9.28	9.86	10.6	11.6	12.0	12.4	12.6	13.0	13.3	14.0	14.3
12-MP-18	1.67	27.2	17.2	13.1	1.75	9.90	11.5	12.6	13.5	14.8	15.3	15.8	16.5	17.0	17.4	18.0	18.4
12-MP-20	1.67	33.0	20.9	15.8	1.75	12.0	13.9	14.2	15.3	16.9	17.5	18.1	17.9	18.5	19.0	20.0	20.4
12-MP-24-A	1.67	38.1	24.1	18.3	1.75	13.9	16.0	17.0	18.3	20.0	20.8	21.5	21.6	22.3	22.8	24.0	24.5
12-MP-24-B	1.67	37.1	23.5	17.8	1.75	13.5	15.6	17.2	18.5	20.3	21.0	21.7	21.8	22.5	23.0	24.0	24.5
12-MP-26-A	1.67	40.7	25.8	19.5	1.75	14.8	17.1	18.1	19.5	21.2	22.0	22.8	23.3	24.0	24.6	26.0	26.5
12-MP-26-B	1.67	39.2	24.8	18.8	1.75	14.3	16.5	17.8	19.2	21.0	21.7	22.5	23.2	24.0	24.6	26.0	26.5
12-MP-28	1.67	42.6	27.0	20.5	1.75	15.5	18.0	19.5	21.0	23.2	24.0	24.8	25.2	26.0	26.6	28.0	28.6
12-MP-35	1.67	50.3	31.8	24.2	1.75	18.3	21.2	23.2	25.0	27.2	28.2	29.2	31.0	32.0	32.8	35.0	35.7
12-MP-40	1.67	60.5	38.3	29.0	1.75	22.0	25.5	27.0	29.0	31.8	33.0	34.1	36.9	38.0	39.0	40.0	40.8
12-MP-44	1.67	66.6	42.1	31.9	1.75	24.2	28.1	32.6	35.0	38.1	39.5	40.9	42.7	44.0	45.1	46.0	46.9
12-MP-55	1.67	88.0	55.7	42.2	1.75	32.0	37.1	40.0	42.9	45.8	47.5	49.1	53.4	55.0	56.4	58.0	59.2
12-MP-70	1.67	105	66.1	50.2	1.75	38.0	44.1	46.5	50.0	55.0	57.0	59.0	63.0	65.0	66.6	68.0	69.4
12-MP-80	1.67	113	71.3	54.1	1.75	41.0	47.6	50.2	54.0	58.8	61.0	63.0	67.9	70.0	71.8	73.0	74.4
12-MP-90	1.67	124	78.3	59.4	1.75	45.0	52.2	56.7	60.9	66.4	69.0	71.4	77.6	80.0	82.0	85.0	86.6
12-MP-100	1.67	140	88.7	67.3	1.75	51.0	59.1	64.2	69.0	75.2	78.0	80.7	87.2	90.0	92.3	100	102
12-MP-110	1.67	162	103	77.9	1.75	59.0	68.4	72.5	78.0	84.8	88.0	91.1	96.8	100	102	110	112
12-MP-120	1.67	168	106	80.5	1.75	61.0	70.8	73.4	78.9	86.8	90.0	93.0	106	110	113	120	122
12-MP-130	1.67	193	122	92.4	1.75	70.0	81.2	85.6	92.0	101	105	109	116	120	123	130	133
12-MP-150	1.67	206	131	99.0	1.75	75.0	87.0	94.8	102	111	115	119	131	135	138	148	151
12-MP-160	1.67	239	151	115	1.75	87.0	101	107	115	125	130	134	146	150	154	165	168
12-MP-175	1.67	248	157	119	1.75	90.0	104	113	122	135	140	145	155	160	164	176	180
12-MP-200	1.67	289	183	139	1.75	105	122	130	140	150	155	160	174	180	185	200	204
12-MP-220	1.67	316	200	152	1.75	115	133	141	152	166	172	178	194	200	205	220	224
12-MP-250	1.67	349	221	168	1.75	127	147	160	173	189	196	203	223	230	235	250	254
12-MP-275	1.67	385	244	185	1.75	140	162	177	190	207	215	223	242	250	256	270	275

Actual battery discharge data may be ± 5% from the figure shown.

SEC Bloc Type	End Volts /Cell	DISCHARGE DATA AMPS			End Volts /Cell	DISCHARGE DATA AMPERE at 25°C													
		DISCHARGE TIME IN MINS				DISCHARGE TIME IN HOURS													
		15MINS	30MINS	45MINS		1hr	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr		
6-MP-1.3	1.67	2.15	1.36	1.03	1.75	0.78	0.60	0.47	0.34	0.27	0.22	0.19	0.15	0.12	0.10	0.07	0.06		
6-MP-3.2	1.67	4.98	3.15	2.39	1.75	1.81	1.40	1.15	0.83	0.68	0.56	0.48	0.38	0.31	0.26	0.17	0.14		
6-MP-4.5	1.67	7.15	4.52	3.43	1.75	2.60	2.01	1.53	1.10	0.89	0.74	0.64	0.51	0.42	0.36	0.23	0.19		
6-MP-4.5-SP	1.67	7.29	4.61	3.50	1.75	2.65	2.05	1.58	1.13	0.92	0.77	0.66	0.52	0.43	0.37	0.24	0.20		
6-MP-7.0	1.67	11.0	6.96	5.28	1.75	4.00	3.09	2.46	1.77	1.28	1.06	0.91	0.82	0.68	0.58	0.35	0.30		
6-MP-7.2	1.67	27.4	10.4	6.18	1.75	4.03	3.11	2.52	1.80	1.31	1.08	0.93	0.84	0.70	0.59	0.36	0.31		
6-MP-7.5	1.67	45.2	14.3	7.21	1.75	4.10	3.17	2.61	1.87	1.35	1.12	0.97	0.87	0.72	0.62	0.38	0.32		
6-MP-10	1.67	15.4	9.74	7.39	1.75	5.60	4.33	3.53	2.53	1.83	1.52	1.31	1.15	0.95	0.81	0.50	0.43		
6-MP-12	1.67	19.3	12.2	9.24	1.75	7.00	5.41	4.23	3.03	2.53	2.10	1.81	1.33	1.10	0.94	0.60	0.51		
6-MP-130	1.67	196	124	94.1	1.75	70.0	54.1	44.2	31.7	24.8	20.6	17.8	14.1	11.7	10.0	6.40	5.44		
6-MP-200	1.67	289	183	139	1.75	105	81.2	66.5	47.7	37.4	31.0	26.7	21.2	17.5	14.9	9.60	8.16		
6-MP-220	1.67	322	204	154	1.75	115	88.7	73.9	53.0	41.5	34.4	29.7	23.6	19.5	16.7	10.7	9.08		
6-MP-230	1.67	333	211	160	1.75	121	93.3	77.0	55.3	43.4	36.0	31.0	24.9	20.5	17.5	11.2	9.50		

12-MP-1.3	1.67	2.15	1.36	1.03	1.75	0.78	0.60	0.47	0.34	0.27	0.22	0.19	0.15	0.12	0.10	0.07	0.06
12-MP-2.2	1.67	3.44	2.18	1.65	1.75	1.25	0.97	0.77	0.55	0.45	0.37	0.32	0.24	0.20	0.17	0.11	0.09
12-MP-3.3	1.67	4.98	3.15	2.39	1.75	1.81	1.40	1.15	0.83	0.68	0.56	0.48	0.36	0.30	0.26	0.17	0.14
12-MP-4.5	1.67	7.29	4.61	3.50	1.75	2.65	2.05	1.58	1.13	0.92	0.77	0.66	0.51	0.42	0.36	0.23	0.19
12-MP-5.0	1.67	8.25	5.22	3.96	1.75	3.00	2.32	1.77	1.27	1.04	0.86	0.74	0.58	0.48	0.41	0.25	0.21
12-MP-5.0-SP	1.67	8.25	5.22	3.96	1.75	3.00	2.32	1.77	1.27	1.04	0.86	0.74	0.58	0.48	0.41	0.25	0.21
12-MP-6.0	1.67	9.08	5.74	4.36	1.75	3.30	2.55	2.09	1.50	1.23	1.02	0.88	0.69	0.57	0.49	0.30	0.26
12-MP-7.0	1.67	11.1	7.04	5.34	1.75	4.04	3.13	2.45	1.76	1.44	1.20	1.03	0.80	0.67	0.57	0.35	0.30
12-MP-7.2	1.67	11.6	7.31	5.54	1.75	4.20	3.25	2.51	1.80	1.47	1.22	1.05	0.82	0.68	0.58	0.36	0.31
12-MP-7.5	1.67	12.4	7.83	5.94	1.75	4.50	3.48	2.65	1.90	1.57	1.30	1.12	0.87	0.72	0.62	0.38	0.32
12-MP-8.0	1.67	12.7	8.00	6.07	1.75	4.60	3.56	2.79	2.00	1.64	1.36	1.17	0.91	0.75	0.64	0.40	0.34
12-MP-9.0	1.67	13.8	8.70	6.60	1.75	5.00	3.87	3.16	2.27	1.86	1.54	1.33	1.03	0.85	0.73	0.45	0.38
12-MP-12	1.67	19.3	12.2	9.24	1.75	7.00	5.41	4.23	3.03	2.53	2.10	1.81	1.33	1.10	0.94	0.60	0.51
12-MP-14	1.67	22.0	13.9	10.6	1.75	8.00	6.19	4.93	3.53	2.90	2.40	2.07	1.58	1.30	1.11	0.70	0.60
12-MP-18	1.67	27.2	17.2	13.1	1.75	9.90	7.66	6.28	4.50	3.69	3.06	2.63	2.06	1.70	1.45	0.90	0.77
12-MP-20	1.67	33.0	20.9	15.8	1.75	12.0	9.27	7.10	5.10	4.22	3.50	3.02	2.24	1.85	1.58	1.00	0.85
12-MP-24-A	1.67	38.1	24.1	18.3	1.75	13.9	10.7	8.49	6.10	5.01	4.15	3.58	2.70	2.23	1.90	1.20	1.02
12-MP-24-B	1.67	37.1	23.5	17.8	1.75	13.5	10.4	8.60	6.17	5.07	4.20	3.62	2.73	2.25	1.92	1.20	1.02
12-MP-26-A	1.67	40.7	25.8	19.5	1.75	14.8	11.4	9.05	6.50	5.30	4.40	3.80	2.91	2.40	2.05	1.30	1.10
12-MP-26-B	1.67	39.2	24.8	18.8	1.75	14.3	11.0	8.91	6.40	5.24	4.35	3.75	2.90	2.40	2.05	1.30	1.10
12-MP-28	1.67	42.6	27.0	20.5	1.75	15.5	12.0	9.75	7.00	5.79	4.80	4.13	3.15	2.60	2.22	1.40	1.19
12-MP-35	1.67	50.3	31.8	24.2	1.75	18.3	14.1	11.6	8.33	6.80	5.64	4.86	3.88	3.20	2.73	1.75	1.49
12-MP-40	1.67	60.5	38.3	29.0	1.75	22.0	17.0	13.5	9.67	7.95	6.60	5.69	4.61	3.80	3.25	2.00	1.70
12-MP-44	1.67	66.6	42.1	31.9	1.75	24.2	18.7	16.3	11.7	9.53	7.90	6.81	5.34	4.40	3.76	2.30	1.95
12-MP-55	1.67	88.0	55.7	42.2	1.75	32.0	24.7	20.0	14.3	11.5	9.50	8.19	6.67	5.50	4.70	2.90	2.47
12-MP-70	1.67	105	66.1	50.2	1.75	38.0	29.4	23.3	16.7	13.8	11.4	9.83	7.88	6.50	5.55	3.40	2.89
12-MP-80	1.67	113	71.3	54.1	1.75	41.0	31.7	25.1	18.0	14.7	12.2	10.5	8.49	7.00	5.98	3.65	3.10
12-MP-90	1.67	124	78.3	59.4	1.75	45.0	34.8	28.4	20.3	16.6	13.8	11.9	9.70	8.00	6.83	4.25	3.61
12-MP-100	1.67	140	88.7	67.3	1.75	51.0	39.4	32.1	23.0	18.8	15.6	13.5	10.9	9.00	7.69	5.00	4.25
12-MP-110	1.67	162	103	77.9	1.75	59.0	45.6	36.3	26.0	21.2	17.6	15.2	12.1	10.0	8.54	5.50	4.67
12-MP-120	1.67	168	106	80.5	1.75	61.0	47.2	36.7	26.3	21.7	18.0	15.5	13.3	11.0	9.40	6.00	5.08
12-MP-130	1.67	193	122	92.4	1.75	70.0	54.1	42.8	30.7	25.3	21.0	18.1	14.5	12.0	10.3	6.50	5.53
12-MP-150	1.67	206	131	99.0	1.75	75.0	58.0	47.4	34.0	27.7	23.0	19.8	16.4	13.5	11.5	7.40	6.29
12-MP-160	1.67	239	151	115	1.75	87.0	67.3	53.5	38.3	31.3	26.0	22.4	18.2	15.0	12.8	8.25	7.00
12-MP-175	1.67	248	157	119	1.75	90.0	69.3	56.5	40.7	33.8	28.0	24.2	19.4	16.0	13.7	8.80	7.48
12-MP-200	1.67	289	183	139	1.75	105	81.2	65.0	46.7	37.4	31.0	26.7	21.8	18.0	15.4	10.0	8.50
12-MP-220	1.67	316	200	152	1.75	115	88.7	70.5	50.7	41.5	34.4	29.7	24.3	20.0	17.1	11.0	9.33
12-MP-250	1.67	349	221	168	1.75	127	98.0	80.0	57.5	47.3	39.2	33.8	27.9	23.0	19.6	12.5	10.6
12-MP-275	1.67	385	244	185	1.75	140	108	88.4	63.3	51.8	43.0	37.1	30.3	25.0	21.3	13.5	11.5

Actual battery discharge data may be ± 5% from the figure shown.

SEC Bloc Type	End Volts /Cell	DISCHARGE DATA WATTS/CELL			End Volts /Cell	DISCHARGE DATA WATTS/CELL at 25°C													
		DISCHARGE TIME IN MINS				DISCHARGE TIME IN HOURS													
		15MINS	30MINS	45MINS		1hr	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	20hr	24hr		
6-MP-1.3	1.67	3.76	2.45	1.88	1.75	1.45	1.13	0.89	0.65	0.51	0.43	0.37	0.28	0.24	0.20	0.13	0.11		
6-MP-3.2	1.67	8.72	5.67	4.37	1.75	3.38	2.64	2.18	1.59	1.31	1.09	0.94	0.74	0.61	0.51	0.33	0.28		
6-MP-4.5	1.67	12.5	8.14	6.28	1.75	4.85	3.79	2.90	2.11	1.72	1.44	1.24	1.00	0.83	0.71	0.44	0.38		
6-MP-4.5-SP	1.67	12.8	8.30	6.41	1.75	4.94	3.86	3.00	2.17	1.78	1.49	1.29	1.02	0.85	0.73	0.46	0.40		
6-MP-7.0	1.67	19.3	12.5	9.66	1.75	7.46	5.82	4.67	3.39	2.47	2.06	1.77	1.61	1.34	1.14	0.69	0.59		
6-MP-7.2	1.67	47.9	18.8	11.3	1.75	7.51	5.87	4.77	3.46	2.52	2.10	1.82	1.65	1.37	1.17	0.71	0.61		
6-MP-7.5	1.67	79.1	25.7	13.2	1.75	7.65	5.98	4.94	3.58	2.61	2.18	1.88	1.71	1.42	1.21	0.74	0.63		
6-MP-10	1.67	27.0	17.5	13.5	1.75	10.4	8.16	6.70	4.85	3.54	2.95	2.55	2.25	1.87	1.60	0.99	0.84		
6-MP-12	1.67	33.8	22.0	16.9	1.75	13.1	10.2	8.03	5.81	4.88	4.08	3.53	2.61	2.16	1.85	1.18	1.01		
6-MP-130	1.67	343	223	172	1.75	131	102	83.9	60.8	47.9	40.0	34.7	27.7	23.0	19.7	12.6	10.8		
6-MP-200	1.67	506	329	254	1.75	196	153	126	91.4	72.3	60.2	52.0	41.6	34.4	29.4	18.9	16.2		
6-MP-220	1.67	564	367	282	1.75	214	167	140	102	80.2	66.8	57.8	46.3	38.4	32.9	21.1	18.0		
6-MP-230	1.67	583	380	293	1.75	226	176	146	106	83.9	69.9	60.4	48.8	40.3	34.5	22.1	18.9		

12-MP-1.3	1.67	3.76	2.45	1.88	1.75	1.45	1.13	0.89	0.65	0.51	0.43	0.37	0.28	0.24	0.20	0.13	0.11
12-MP-2.2	1.67	6.02	3.92	3.02	1.75	2.33	1.82	1.45	1.05	0.86	0.72	0.62	0.47	0.39	0.34	0.22	0.18
12-MP-3.3	1.67	8.72	5.67	4.37	1.75	3.38	2.64	2.18	1.59	1.30	1.09	0.94	0.71	0.59	0.51	0.33	0.28
12-MP-4.5	1.67	12.8	8.30	6.41	1.75	4.94	3.86	3.00	2.17	1.78	1.49	1.29	1.00	0.83	0.71	0.44	0.38
12-MP-5.0	1.67	14.4	9.40	7.25	1.75	5.60	4.37	3.35	2.43	2.00	1.67	1.44	1.14	0.94	0.81	0.49	0.42
12-MP-5.0-SP	1.67	14.4	9.40	7.25	1.75	5.60	4.37	3.35	2.43	2.00	1.67	1.44	1.14	0.94	0.81	0.49	0.42
12-MP-6.0	1.67	15.9	10.3	7.98	1.75	6.15	4.81	3.97	2.88	2.38	1.98	1.72	1.35	1.12	0.96	0.59	0.51
12-MP-7.0	1.67	19.5	12.7	9.77	1.75	7.54	5.89	4.65	3.37	2.79	2.32	2.01	1.58	1.31	1.12	0.69	0.59
12-MP-7.2	1.67	20.3	13.2	10.1	1.75	7.83	6.12	4.76	3.45	2.84	2.37	2.05	1.61	1.34	1.14	0.71	0.61
12-MP-7.5	1.67	21.7	14.1	10.9	1.75	8.39	6.56	5.03	3.64	3.03	2.52	2.18	1.71	1.42	1.21	0.74	0.63
12-MP-8.0	1.67	22.2	14.4	11.1	1.75	8.58	6.71	5.30	3.84	3.17	2.64	2.28	1.78	1.48	1.26	0.79	0.68
12-MP-9.0	1.67	24.2	15.7	12.1	1.75	9.33	7.29	6.00	4.35	3.59	2.99	2.59	2.02	1.67	1.43	0.89	0.75
12-MP-12	1.67	33.8	22.0	16.9	1.75	13.1	10.2	8.03	5.81	4.88	4.08	3.53	2.61	2.16	1.85	1.18	1.01
12-MP-14	1.67	38.5	25.0	19.4	1.75	14.9	11.7	9.36	6.77	5.60	4.66	4.03	3.09	2.56	2.19	1.38	1.18
12-MP-18	1.67	47.6	31.0	24.0	1.75	18.5	14.4	11.9	8.63	7.13	5.94	5.13	4.04	3.35	2.86	1.78	1.52
12-MP-20	1.67	57.8	37.6	28.9	1.75	22.4	17.5	13.5	9.78	8.15	6.80	5.88	4.39	3.64	3.12	1.97	1.69
12-MP-24-A	1.67	66.7	43.4	33.4	1.75	25.8	20.1	16.1	11.7	9.68	8.07	6.98	5.29	4.39	3.75	2.37	2.03
12-MP-24-B	1.67	64.9	42.3	32.6	1.75	25.2	19.6	16.3	11.8	9.80	8.16	7.05	5.34	4.43	3.79	2.37	2.03
12-MP-26-A	1.67	71.2	46.4	35.7	1.75	27.6	21.5	17.2	12.5	10.2	8.54	7.41	5.70	4.72	4.04	2.56	2.19
12-MP-26-B	1.67	68.6	44.7	34.5	1.75	26.6	20.8	16.9	12.3	10.1	8.45	7.31	5.69	4.72	4.04	2.56	2.19
12-MP-28	1.67	74.6	48.6	37.5	1.75	28.9	22.6	18.5	13.4	11.2	9.32	8.06	6.17	5.12	4.38	2.76	2.36
12-MP-35	1.67	88.0	57.2	44.3	1.75	34.1	26.6	22.0	16.0	13.1	11.0	9.47	7.60	6.30	5.39	3.45	2.95
12-MP-40	1.67	106	68.9	53.1	1.75	41.0	32.1	25.6	18.5	15.4	12.8	11.1	9.04	7.48	6.41	3.95	3.38
12-MP-44	1.67	117	75.8	58.4	1.75	45.1	35.3	30.9	22.4	18.4	15.3	13.3	10.5	8.66	7.42	4.54	3.88
12-MP-55	1.67	154	100	77.2	1.75	59.7	46.6	38.0	27.4	22.1	18.5	16.0	13.1	10.8	9.27	5.72	4.90
12-MP-70	1.67	184	119	91.9	1.75	70.9	55.4	44.1	32.0	26.6	22.1	19.2	15.4	12.8	11.0	6.71	5.74
12-MP-80	1.67	198	128	99.0	1.75	76.5	59.8	47.6	34.5	28.4	23.7	20.5	16.6	13.8	11.8	7.20	6.16
12-MP-90	1.67	217	141	109	1.75	83.9	65.6	53.8	38.9	32.1	26.8	23.2	19.0	15.7	13.5	8.39	7.17
12-MP-100	1.67	245	160	123	1.75	95.1	74.3	60.9	44.1	36.3	30.3	26.2	21.4	17.7	15.2	9.87	8.44
12-MP-110	1.67	284	185	143	1.75	110	86.0	68.8	49.9	41.0	34.2	29.6	23.7	19.7	16.9	10.9	9.27
12-MP-120	1.67	294	191	147	1.75	114	89.0	69.7	50.4	41.9	35.0	30.2	26.1	21.7	18.6	11.8	10.1
12-MP-130	1.67	338	220	169	1.75	131	102	81.2	58.8	48.8	40.8	35.3	28.4	23.6	20.2	12.8	11.0
12-MP-150	1.67	361	236	181	1.75	140	109	90.0	65.2	53.5	44.7	38.6	32.1	26.6	22.7	14.6	12.5
12-MP-160	1.67	418	272	210	1.75	162	127	102	73.5	60.4	50.5	43.7	35.7	29.5	25.3	16.3	13.9
12-MP-175	1.67	434	283	218	1.75	168	131	107	78.0	65.2	54.4	47.1	38.0	31.5	27.0	17.4	14.9
12-MP-200	1.67	506	329	254	1.75	196	153	123	89.5	72.3	60.2	52.0	42.7	35.4	30.4	19.7	16.9
12-MP-220	1.67	553	360	278	1.75	214	167	134	97.2	80.2	66.8	57.8	47.5	39.4	33.7	21.7	18.5
12-MP-250	1.67	611	398	307	1.75	237	185	152	110	91.3	76.1	65.9	54.6	45.3	38.7	24.7	21.1
12-MP-275	1.67	674	439	339	1.75	261	204	168	121	100	83.5	72.3	59.4	49.2	42.1	26.6	22.8

Actual battery discharge data may be ± 5% from the figure shown.

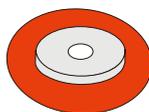
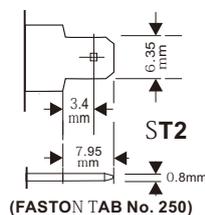
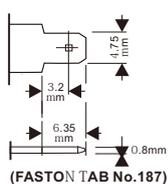
DIMENSIONS

Dimensions, Weights, Data

SEC Bloc Type	Nominal Capacity(Ah) 1.80vpc	Maximum Discharge 5s	Internal Resistance mΩ	Maximum Charge Current(A)	Female Terminal Type	Battery Weight		Overall Battery Dimensions					
								Length		Width		Height	
								kg	lbs	mm	inch	mm	inch
6-MP-1.3	1.20	36	70.00	0.22	ST1	0.28	0.62	98	3.86	25	0.98	59	2.32
6-MP-3.2	3.10	70	30.00	0.56	ST1	0.61	1.34	124	4.88	34	1.34	65	2.56
6-MP-4.5	4.20	75	18.00	0.74	ST1	0.75	1.65	71	2.80	48	1.89	106	4.17
6-MP-4.5-SP	4.30	75	20.00	0.77	ST7	0.82	1.81	68	2.66	68	2.66	112	4.41
6-MP-7.0	6.80	105	13.00	1.06	ST1	1.00	2.20	151	5.94	34	1.34	99	3.90
6-MP-7.2	6.95	105	13.00	1.08	ST1	1.10	2.43	151	5.94	34	1.34	99	3.90
6-MP-7.5	7.20	105	13.00	1.12	ST1	1.15	2.54	151	5.94	34	1.34	99	3.90
6-MP-10	9.50	120	10.00	1.52	ST1	1.70	3.75	151	5.94	50	1.97	98	3.86
6-MP-12	11.00	180	10.00	2.10	ST1	1.80	3.97	151	5.94	50	1.97	98	3.86
6-MP-130	117.00	1400	3.00	20.60	FT4	16.0	35.3	196	7.72	170	6.69	214	8.43
6-MP-200	175.00	2200	2.40	31.00	FT5	29.0	63.9	306	12.0	168	6.61	220	8.66
6-MP-220	195.00	2600	1.10	34.40	FT5	30.5	67.2	323	12.7	178	7.01	224	8.82
6-MP-230	205.00	3100	1.00	36.00	FT5	31.8	70.1	243	9.57	188	7.40	275	10.83

12-MP-1.3	1.20	36	130	0.22	ST1	0.54	1.19	97	3.82	44	1.71	57	2.24
12-MP-2.2	2.00	60	90.0	0.37	ST1	0.90	1.98	179	7.05	35	1.38	65	2.56
12-MP-3.3	3.00	60	60.0	0.56	ST1	1.25	2.76	134	5.28	67	2.64	67	2.64
12-MP-4.5	4.20	70	50.0	0.77	ST1	1.60	3.53	90	3.54	70	2.76	106	4.17
12-MP-5.0	4.80	75	40.0	0.86	ST1	1.80	3.97	91	3.58	71	2.80	105	4.13
12-MP-5.0-SP	4.80	80	40.0	0.86	ST1	1.75	3.86	151	5.94	51	2.01	98	3.86
12-MP-6.0	5.70	95	35.0	1.02	ST1&2	2.10	4.63	151	5.94	67	2.62	99	3.90
12-MP-7.0	6.66	100	33.0	1.20	ST1&2	2.25	4.96	151	5.94	67	2.62	99	3.90
12-MP-7.2	6.80	100	31.0	1.22	ST1&2	2.26	4.98	151	5.94	67	2.62	99	3.90
12-MP-7.5	7.20	105	30.0	1.30	ST1&2	2.30	5.07	151	5.94	67	2.62	99	3.90
12-MP-8.0	7.50	110	29.0	1.36	ST1&2	2.45	5.40	151	5.94	67	2.62	99	3.90
12-MP-9.0	8.50	115	28.0	1.54	ST1&2	2.55	5.62	151	5.94	67	2.62	99	3.90
12-MP-12	11.00	180	30.0	2.10	ST2	3.60	7.94	152	5.98	99	3.90	102	4.02
12-MP-14	13.00	200	27.0	2.40	ST2	3.80	8.38	152	5.98	99	3.90	102	4.02
12-MP-18	17.00	250	14.0	3.06	FT2	5.70	12.6	181	7.13	76	2.99	167	6.57
12-MP-20	18.50	265	11.0	3.50	FT2	6.20	13.7	181	7.13	76	2.99	167	6.57
12-MP-24-A	22.28	270	9.00	4.15	FT2	7.70	17.0	166	6.54	126	4.96	176	6.93
12-MP-24-B	22.50	270	9.20	4.20	FT2	7.80	17.2	175	6.89	166	6.54	126	4.96
12-MP-26-A	24.00	288	8.00	4.40	FT2	8.15	18.0	166	6.54	126	4.96	176	6.93
12-MP-26-B	23.97	288	8.20	4.35	FT2	8.20	18.1	175	6.89	166	6.54	126	4.96
12-MP-28	26.00	300	7.90	4.80	FT2	9.00	19.8	166	6.54	126	4.96	176	6.93
12-MP-35	32.00	330	7.30	5.64	FT3	10.5	23.1	196	7.72	131	5.16	180	7.09
12-MP-40	38.00	470	6.80	6.60	FT3	12.6	27.7	197	7.76	165	6.50	170	6.69
12-MP-44	44.00	500	6.00	7.90	FT3	14.0	30.9	197	7.76	165	6.50	170	6.69
12-MP-55	55.00	700	5.60	9.50	FT3	17.3	38.1	230	9.06	138	5.43	210	8.27
12-MP-70	65.00	800	5.50	11.40	FT3	21.0	46.3	350	13.8	166	6.54	174	6.85
12-MP-80	70.00	850	5.40	12.20	FT3	21.5	47.4	259	10.2	169	6.65	208	8.19
12-MP-90	80.00	900	4.50	13.80	FT3	22.5	49.6	259	10.2	169	6.65	208	8.19
12-MP-100	90.00	950	4.30	15.60	FT3	27.0	59.5	307	12.1	170	6.69	215	8.46
12-MP-110	100.00	1000	3.90	17.60	FT3	31.0	68.3	328	12.9	172	6.77	215	8.46
12-MP-120	110.00	1050	3.40	18.00	FT3	31.5	69.4	339	13.3	173	6.81	215	8.46
12-MP-130	120.00	1100	3.10	21.00	FT4	32.0	70.5	405	15.9	175	6.89	227	8.94
12-MP-150	135.00	1200	2.90	23.00	FT5	41.0	90.4	342	13.5	173	6.81	285	11.22
12-MP-160	150.00	1600	2.80	26.00	FT5	44.0	97	483	19.0	170	6.69	242	9.53
12-MP-175	160.00	1800	2.60	28.00	FT5	52.0	115	530	20.9	209	8.23	225	8.86
12-MP-200	180.00	2400	2.30	31.00	FT5	54.0	119	530	20.9	209	8.23	225	8.86
12-MP-220	200.00	2700	2.20	34.40	FT5	60.5	133	524	20.6	240	9.45	225	8.86
12-MP-250	230.00	3200	2.00	39.20	FT5	66.8	147	524	20.6	269	10.6	220	8.66
12-MP-275	250.00	3400	1.90	43.00	FT5	73.0	161	524	20.6	269	10.6	225	8.86

Actual dimension may be ± 5% from the figure shown.



Typical View of Female insert Terminal.

FT2 = 5 mm Female Terminal = 12mm with M5 Bolt
 FT3 = 6 mm Female Terminal = 14mm with M6 Bolt
 FT4 = 6 mm Female Terminal = 16mm with M6 Bolt
 FT5 = 8 mm Female Terminal = 16mm with M8 Bolt

MICROLYTE 6-12 MP Flat Plate AGM Batteries

SEC MICROLYTE + Plus Valve Regulated 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 separates the battery plates. This type of separator construction allows full wetting of the plates with the available electrolyte and also allows the passage of oxygen generated during charging. This construction is generally referred to as absorbed glass mat (AGM) type.

MICROLYTE + Plus Valve Regulated batteries are sealed with the exception of a one way valve that opens when excess pressure builds up inside the battery, the valve automatically reseals itself. The recombination of gases is accomplished by allowing oxygen produced at the positive plate during charging to pass through the separator material to the negative plate where the recombination reaction occurs. The valve controls the internal pressure of the battery to optimize the efficiency of the recombination reaction and minimize the quantity of electrolyte releases as gas.

SEC Industrial Battery is a large producer of modern technology, valve regulated (sealed) batteries. In its new battery manufacturing facility it has been able to draw on a wealth of international experience and knowledge to produce a high quality, reliable lead acid battery. The continuing installation of the most modern production equipment makes continuous product improvement possible.

General Features

*** Valve Regulated Construction (sealed)**

The SEC valve regulated AGM rechargeable lead acid battery allows safe, trouble free operation in any position. There is never any requirement to top up electrolyte because over 99% of all gases generated in normal operation are recombined inside the battery.

*** Immobilized Electrolyte**

Due to the type of construction, the batteries can be shipped by sea, road or air without special handling and packing precautions. Terminals are protected from the possibility of short circuit at all times.

*** Low Self Discharge**

Because of the use of Lead Calcium grids batteries can be stored for long periods of time without recharge.

*** Cycle or Stand-By Service**

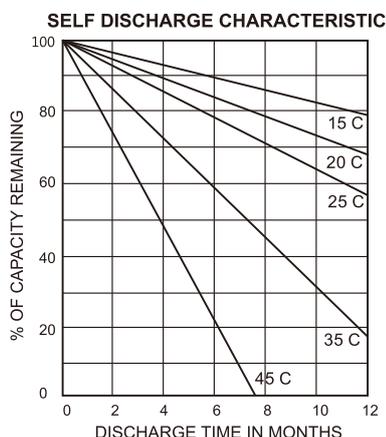
Batteries are suitable for either cycling or standby float service.

*** Tough Construction**

SEC MICROLYTE + Plus batteries utilize tough, high impact resistant and non-conductive ABS plastic for cases and lids. Batteries are also available in Flame retardant ABS cover and case as an option.

*** Compact Design**

SEC MICROLYTE + Plus batteries utilize virgin lead and the best possible raw materials to build a high energy density battery. The International design team has a policy of continuous product improvement.



Battery Float Charging (Temperature compensation)	
Temperature Deg.C	Float Charge Volts/Cell
10	2.300
15	2.275
20	Baseline 2.250
25	2.225
30	2.200
35	2.175



CELLYTE 2CMT/G
Modular Steel Rack



CELLYTE 2TLM/G
Tubular Steel Rack



CELLYTE 2CMT/G, CELLYTE 2TLM/G
with Catalyst



CELLYTE 12PLF & 12PLT Range



CELLYTE 12FTA/G Range



CELLYTE 6-12TUA Range



CELLYTE 6-12TSG Range



CELLYTE 6-12TLA Range



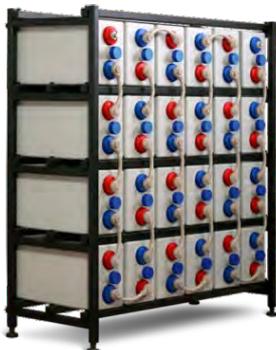
CELLYTE 6-12TLG Range



MICROLYTE +Plus Range



MICROLYTE Red Top Range



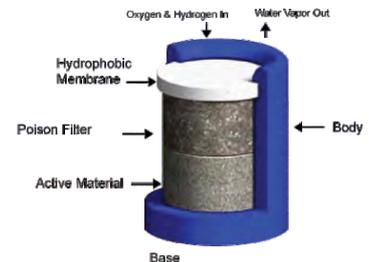
CELLYTE 2ETG OPzV Range
Tubular Steel Rack



CELLYTE TRA Range



Nickel Cadmium Range
Pocket Plate flooded and VR



Typical VRLA catalyst

SEC Industrial Battery CO.LTD.
Thorney Weir House,
Iver, Bucks SL0 9AQ
United Kingdom
T. +441895431543
M. +447899980310
europeansales@secbattery.com

SEC Industrial Battery CO.LTD.
Unit 6, 6/F., Hewlett Centre,
54 Hoi Yuen Road, Kwun Tong,
Kowloon Hong Kong
T. +85223044382
F. +85223044013
foreastsales@secbattery.com

SEC Industrial Battery B.S.C.
Office 1304, 10th Floor,
Bldg 614, Rd 1011, Sanabis 410,
Kingdom of Bahrain.
T. +97317721322
F. +97317740743
middleeastsales@secbattery.com