

EB12-150

12V150Ah / 10hr rate



Introduction

Generagy EB series is designed for European standard with 12-year design life in float service. The series battery is featured of high consistency, excellent performance and reliable standby service life. It is widely applied in float service, UPS/EPS, medical equipment, telecom, photovoltaic, control system and security system.

Battery Features

- Increase durability and deep cycle ability for heavy demand applications
- Low self-discharge
- Fully tank formed plates
- Low impurity electrolyte
- Spill proof / leak proof
- Multi-position usage
- ABS case and cover VO upon request
- Very high purity lead

Electrical Specification

Design floating Life @ 20°C (68°F)	12 years
Nominal Capacity @ 20°C (68°F)	
20 hour rate 7.72A to 1.75Vpc	154.4 Ah
10 hour rate 15.05A to 1.80Vpc	150.5 Ah

Internal Resistance

(Fully charged battery @ 20°C (68°F)) 4mΩ

Max. Discharge Current @ 20°C (68°F) 1500 A (5S)

Charge Methods: Constant voltage charge @ 20°C (68°F)

Cycle Use 14.7 ~ 14.9V

Max. Current 37.5 A

Standby Use 13.6 - 13.8V

Operating Temperature Range -30 ~ 50°C

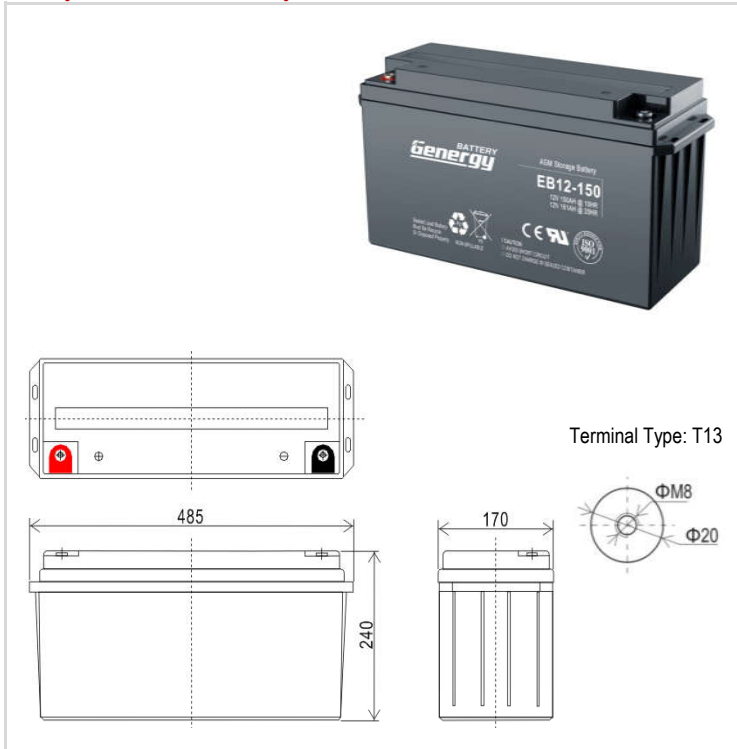
Notes: battery voltage must be adjusted according to temperature.

Please refer to our recommendation.

Self-Discharge

3% of capacity declined per month @ 20°C (68°F).

Battery Picture & Terminal Layout



Dimension & Weight

Length	Dimension (± 2mm)			Total Height	Weight (± 2%)
	Width	Height	Height		
485 mm	170 mm	240 mm	240 mm	41.7 kg	
19.1 inch	6.7 inch	9.4 inch	9.4 inch	91.9 lbs	

Typical Applications

- UPS & EPS ○ Telecommunications ○ Power Utility ○ Security Power Supply

Certificates



Constant Current Discharge (Amperes @ 20°C (68°F))

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	326.8	249.5	215.5	181.6	153.7	146.8	136.9	127.8	119.5	112.3	110.3	59.78	42.54	35.33	28.88	15.43	7.81
1.65	310.4	236.9	205.8	174.6	149.6	142.9	133.5	124.9	117.1	110.4	108.8	58.62	41.72	34.59	28.22	15.36	7.79
1.70	297.5	227.1	197.6	168.2	144.8	138.2	129.1	120.9	113.4	107.1	105.8	56.64	40.76	33.77	27.55	15.21	7.75
1.75	283.8	216.6	188.8	161.0	139.3	132.9	124.5	116.8	110.0	104.3	103.5	55.08	39.87	33.03	26.96	15.10	7.72
1.80	269.2	205.5	179.5	153.6	133.8	127.6	119.7	112.5	106.1	100.9	100.5	53.10	38.91	32.22	26.29	15.05	7.65

Constant Power Discharge (Watts/cell @ 20°C (68°F))

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	640.4	488.9	430.2	371.6	322.0	292.2	271.4	250.6	230.5	213.1	199.4	111.7	82.28	68.24	56.19	31.49	16.61
1.65	617.7	471.5	415.8	360.1	313.4	284.4	264.4	244.5	225.1	208.5	195.5	109.4	81.52	67.48	55.44	31.18	16.61
1.70	593.9	453.4	400.4	347.4	303.4	275.4	256.5	237.5	219.2	203.6	191.7	106.8	80.01	66.30	54.60	30.58	16.39
1.75	568.1	433.7	383.6	333.6	292.5	265.6	247.7	229.8	212.5	198.0	187.1	103.3	77.74	64.68	53.62	30.35	16.09
1.80	540.2	412.4	365.5	318.7	280.9	255.0	238.2	221.3	205.0	191.6	181.8	99.6	75.69	63.05	52.41	30.05	15.94

Subject to revision without notice. Please contact our sales representatives for latest version.

Web: www.generagybattery.com | Email: sales@generagybattery.com

Version NO.20200507

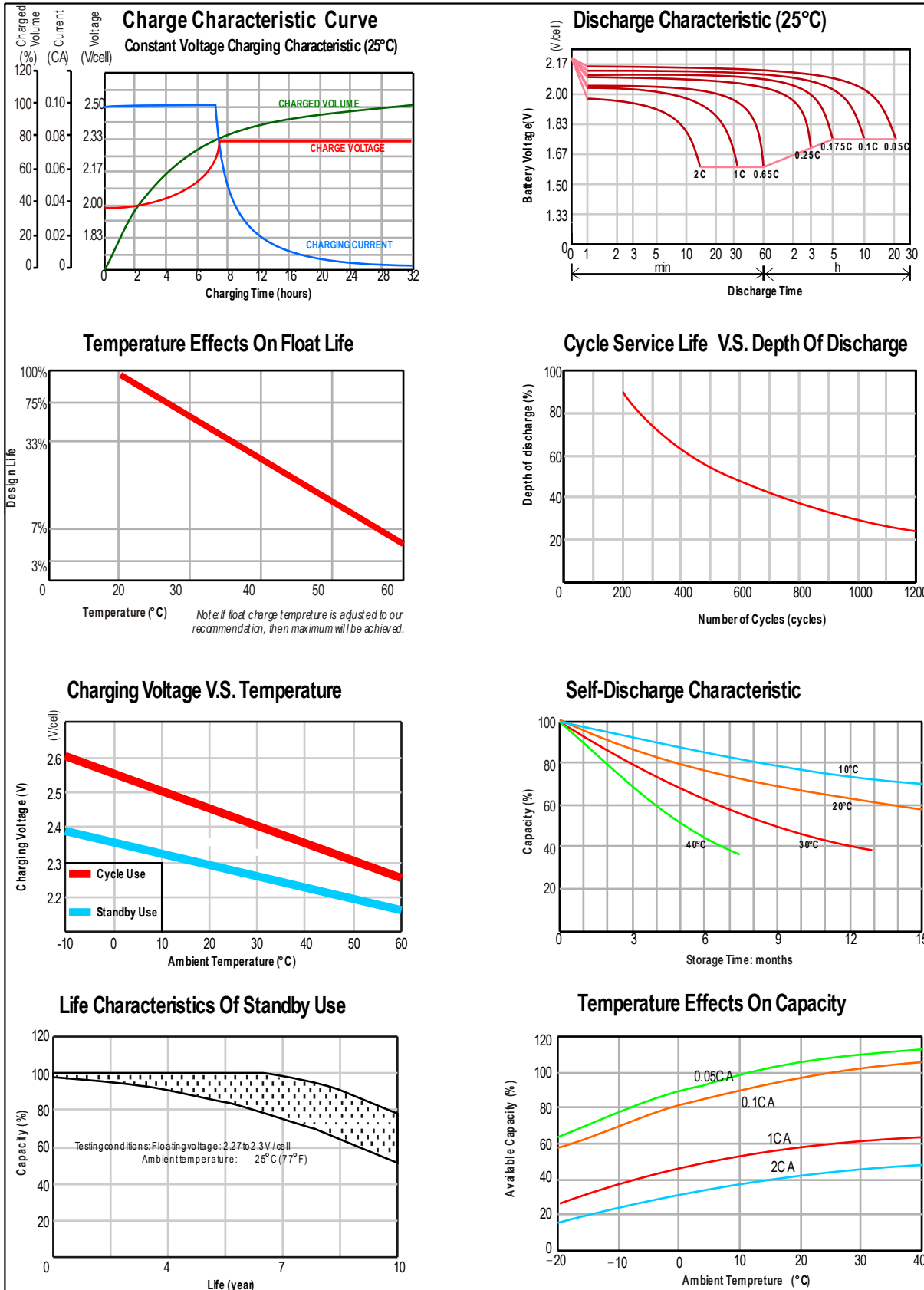
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Graphs



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Version NO.20200507

368.01	280.92	243.77	206.62	177.96	158.75	148.03	137.32	126.75
349.45	266.76	231.69	196.63	170.07	151.58	141.59	131.59	121.75
335.02	255.74	222.55	189.35	164.66	146.56	136.96	127.36	117.91
319.56	243.94	212.62	181.29	158.47	141.02	132.07	123.12	114.32
303.07	231.35	202.16	172.97	152.29	135.36	126.93	118.50	110.22

639.12	487.88	429.35	370.83	321.31	291.59	270.86	250.14	230.01
616.44	470.56	414.98	359.39	312.81	283.86	263.92	243.98	224.63
592.73	452.47	399.56	346.66	302.76	274.85	255.95	237.04	218.73
566.96	432.79	382.84	332.89	291.94	265.07	247.20	229.34	212.07
539.13	411.55	364.81	318.08	280.34	254.51	237.69	220.86	204.64

368.7451 281.4848 244.2579 207.0309 178.3211 159.0673 148.3306 137.5939 127.0075
350.1529 267.2923 232.1585 197.0247 170.408 151.8801 141.8693 131.8585 121.9979
335.6923 256.2537 222.992 189.7304 164.9858 146.8512 137.2337 127.6161 118.1489
320.1988 244.4266 213.0417 181.6569 158.789 141.3045 132.3369 123.3693 114.5521
303.6724 231.811 202.5657 173.3205 152.5923 135.6301 127.1849 118.7397 110.4449
0 0 0 0 0 0 0 0 0
640.3976 488.8531 430.2146 371.5761 321.9556 292.1713 271.405 250.6386 230.4735
617.6738 471.5067 415.8101 360.1136 313.435 284.4328 264.4486 244.4643 225.0813
593.9171 453.3718 400.3636 347.3554 303.3653 275.4033 256.4594 237.5154 219.1727
568.0946 433.66 383.6076 333.5553 292.5209 265.6007 247.6986 229.7964 212.4955
540.2064 412.3713 365.5421 318.713 280.9019 255.025 238.1662 221.3073 205.0496

117.09	109.17	60.78	44.96	36.76	30.05	16.06	8.11
112.81	105.62	58.17	43.30	35.30	28.80	15.67	7.95
109.36	102.57	56.15	42.31	34.47	28.12	15.52	7.95
106.42	100.27	54.55	41.41	33.71	27.51	15.37	7.88
102.85	97.22	52.53	40.42	32.88	26.83	14.97	7.81

212.69	198.96	111.50	82.12	68.10	56.08	31.42	16.58
208.09	195.14	109.21	81.36	67.34	55.33	31.12	16.58
203.23	191.32	106.55	79.85	66.17	54.49	30.52	16.36
197.60	186.74	103.12	77.58	64.55	53.51	30.29	16.06
191.21	181.39	99.43	75.54	62.92	52.30	29.99	15.91

117. 3229 109. 3918 60. 90026 45. 05403 36. 83305 30. 11507 16. 09095 8. 126892
113. 0392 105. 834 58. 28606 43. 38345 35. 36739 28. 85434 15. 70564 7. 970606
109. 5835 102. 7715 56. 26257 42. 39892 34. 53433 28. 17274 15. 55389 7. 970606
106. 6366 100. 4747 54. 65976 41. 49012 33. 77699 27. 56687 15. 40215 7. 896114
103. 0518 97. 41226 52. 63628 40. 50559 32. 94393 26. 88528 15. 00069 7. 821622
0 0 0 0 0 0 0 0
213. 114 199. 3617 111. 7233 82. 28117 68. 23559 56. 19401 31. 48715 16. 61164
208. 5039 195. 5337 109. 4306 81. 52384 67. 47825 55. 43668 31. 18366 16. 61164
203. 6356 191. 7057 106. 7592 80. 00917 66. 30439 54. 60362 30. 57667 16. 38816
198. 0001 187. 112 103. 3264 77. 73718 64. 67613 53. 61908 30. 34906 16. 09019
191. 5976 181. 7528 99. 62437 75. 69238 63. 04786 52. 40735 30. 04557 15. 94121