

BC9-12 | 12V 9Ah

Valve Regulated Lead Acid Battery

BLACK BATT.

Specification

Rated Voltage	12V
Nominal Capacity (20 hour rate)	8.5Ah
Dimensions	Length 151 ± 3 mm (5.94 inches)
	Width 65 ± 3 mm (2.56 inches)
	Container Height 93 ± 3 mm (3.68 inches)
	Total Height 99 ± 3 mm (3.92 inches)
Approximate Weight	2.30 kg ± 3% (5.07 lbs)
Short-circuit current	238A
Internal Resistance (25°C)	Approx. 18mΩ
Container Material	ABS
Operating Temp. Range	Discharge -15~50°C (5~122°F)
	Charge -20~40°C (-4~104°F)
	Storage -15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cyclic charging voltage(25°C)	14.50 to 14.90V Temperature compensation: -30mV/°C
Standby usage(25°C)	13.60 to 13.80V Temperature compensation: -18mV/°C
Temperature Affect on the Capacity	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	≤3% per month at 25°C (77°F). Blackbatt batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Designed floating life (20°C)	5 years



Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	18.6	13.2	11.1	9.42	7.04	5.23	4.22	3.33	2.52	1.87	1.52	1.29	1.12	0.884	0.730	0.403
1.80V/cell	22.2	15.2	12.4	10.4	7.70	5.63	4.54	3.63	2.69	1.99	1.60	1.36	1.17	0.932	0.769	0.412
1.75V/cell	24.8	16.5	13.4	11.0	8.03	5.84	4.70	3.79	2.76	2.04	1.63	1.39	1.19	0.949	0.782	0.425
1.70V/cell	27.1	17.9	14.1	11.5	8.33	6.04	4.84	3.94	2.84	2.08	1.67	1.41	1.21	0.962	0.792	0.426
1.67V/cell	29.4	18.8	14.6	11.9	8.61	6.23	4.99	4.03	2.89	2.13	1.69	1.44	1.23	0.973	0.800	0.430
1.60V/cell	31.0	19.6	15.1	12.2	8.85	6.38	5.10	4.14	2.96	2.16	1.73	1.46	1.25	0.983	0.807	0.433

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	35.1	25.1	21.3	18.2	13.8	10.3	8.32	6.59	4.97	3.72	3.02	2.59	2.25	1.78	1.47	0.814
1.80V/cell	41.4	28.7	23.7	20.0	15.0	11.0	8.91	7.12	5.31	3.94	3.19	2.72	2.36	1.87	1.54	0.829
1.75V/cell	46.0	31.1	25.4	21.1	15.5	11.4	9.23	7.35	5.44	4.01	3.23	2.75	2.38	1.89	1.56	0.843
1.70V/cell	49.3	33.1	26.3	21.8	16.0	11.7	9.40	7.58	5.54	4.09	3.27	2.77	2.41	1.90	1.57	0.846
1.67V/cell	52.7	34.4	27.0	22.2	16.3	11.9	9.60	7.71	5.60	4.14	3.30	2.80	2.42	1.91	1.58	0.848
1.60V/cell	54.3	34.9	27.5	22.4	16.5	12.1	9.70	7.80	5.68	4.17	3.34	2.83	2.44	1.92	1.59	0.850

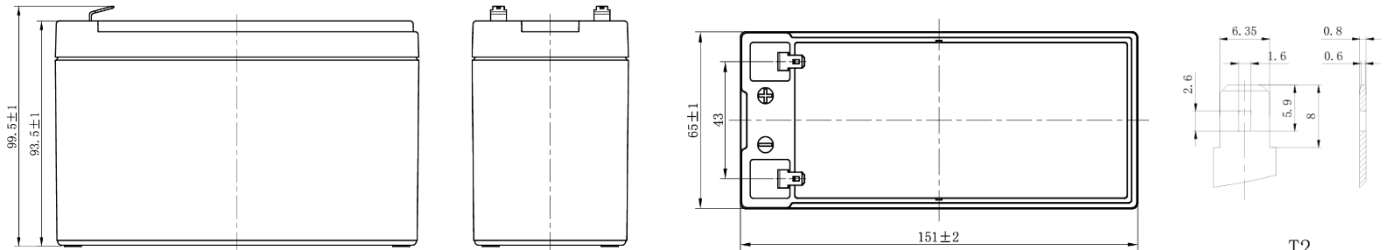
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

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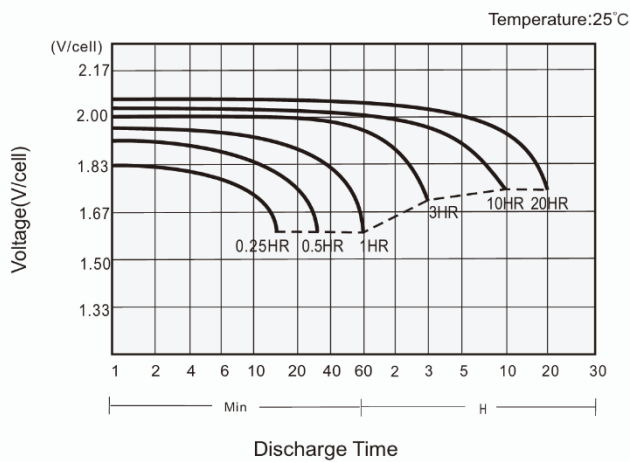
BLACK BATT.

Dimensions | Terminal Type (unit:mm)

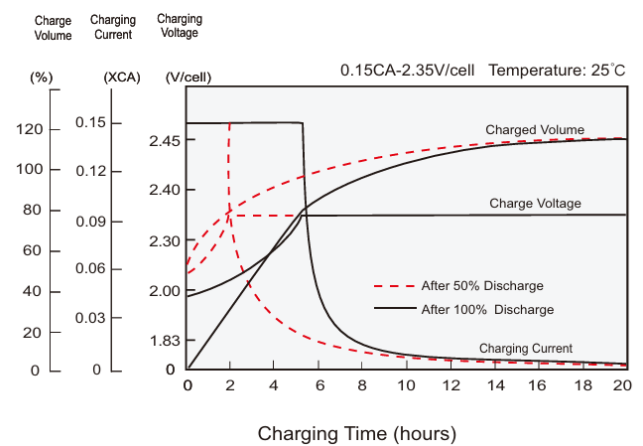


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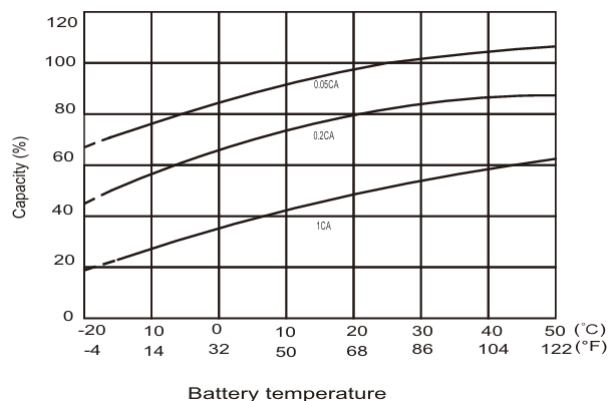
Discharge Characteristics



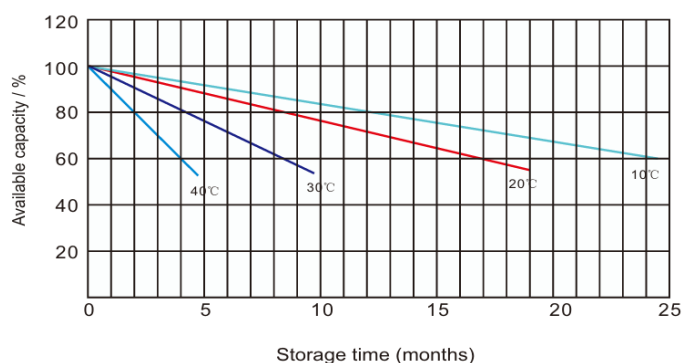
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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