

BC7.2-12 | 12V 7.2Ah

Valve Regulated Lead Acid Battery

BLACK BATT.

Specification

Rated Voltage	12V
Nominal Capacity (20 hour rate)	7.2Ah
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	2.10 kg ± 3% (4.65 lbs)
Short-circuit current	210A
Internal Resistance (25°C)	Approx.23mΩ
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	24.4	16.5	12.3	10.1	7.40	5.41	4.43	3.25	2.57	1.85	1.48	1.26	1.08	0.848	0.693	0.367
1.80V/cell	26.3	17.5	12.9	10.5	7.63	5.56	4.54	3.31	2.62	1.88	1.50	1.27	1.09	0.860	0.702	0.371
1.75V/cell	27.7	18.2	13.3	10.7	7.83	5.68	4.63	3.37	2.66	1.91	1.52	1.29	1.11	0.869	0.709	0.375
1.70V/cell	29.0	18.9	13.8	11.1	8.03	5.80	4.72	3.43	2.70	1.94	1.54	1.31	1.12	0.878	0.717	0.378
1.67V/cell	30.0	19.5	14.1	11.3	8.17	5.90	4.79	3.48	2.73	1.96	1.55	1.32	1.13	0.885	0.722	0.381
1.60V/cell	31.8	20.3	14.6	11.6	8.39	6.04	4.90	3.55	2.79	2.00	1.58	1.34	1.14	0.898	0.731	0.385

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	46.2	31.4	23.5	19.4	14.3	10.5	8.62	6.34	5.03	3.64	2.91	2.48	2.13	1.68	1.38	0.733
1.80V/cell	49.2	33.1	24.5	20.0	14.7	10.7	8.80	6.45	5.11	3.69	2.95	2.51	2.16	1.70	1.39	0.742
1.75V/cell	51.3	34.2	25.2	20.5	15.0	10.9	8.95	6.55	5.19	3.74	2.98	2.54	2.18	1.72	1.41	0.750
1.70V/cell	53.2	35.3	25.9	21.0	15.3	11.1	9.08	6.64	5.25	3.79	3.02	2.57	2.20	1.74	1.42	0.756
1.67V/cell	54.5	36.1	26.4	21.3	15.5	11.3	9.20	6.71	5.30	3.82	3.04	2.59	2.22	1.75	1.43	0.762
1.60V/cell	56.7	37.2	27.1	21.9	15.9	11.5	9.37	6.83	5.38	3.88	3.09	2.63	2.25	1.77	1.45	0.770

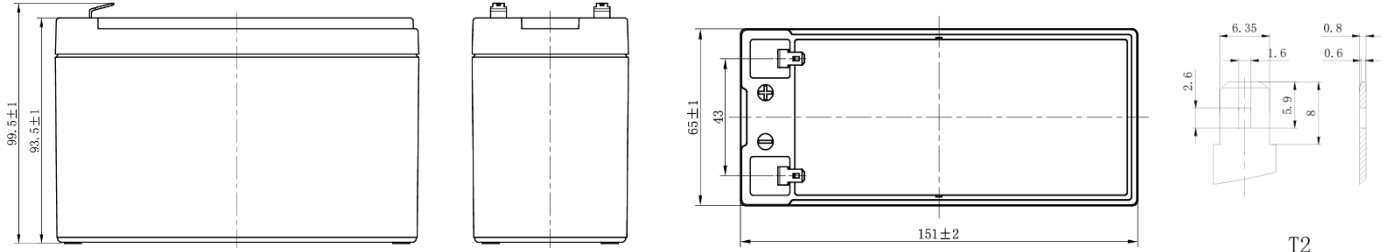
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

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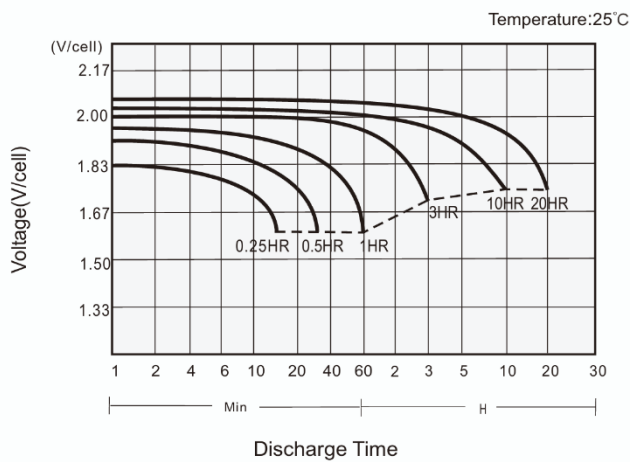
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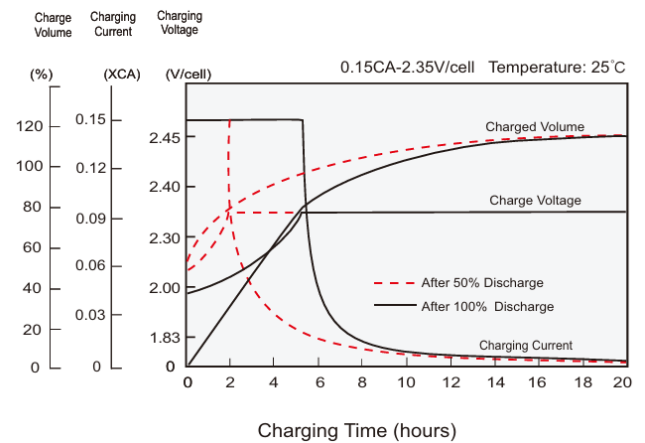
Dimensions | Terminal Type (unit:mm)



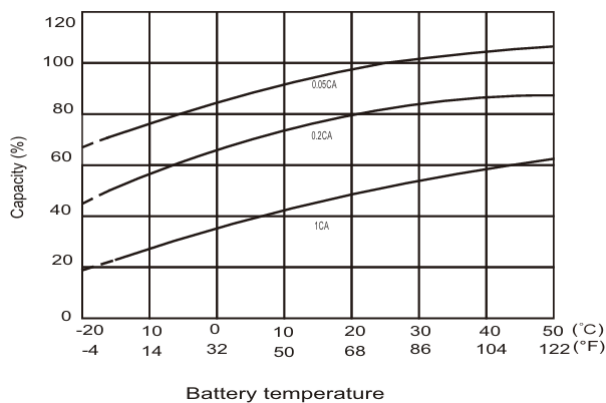
Discharge Characteristics



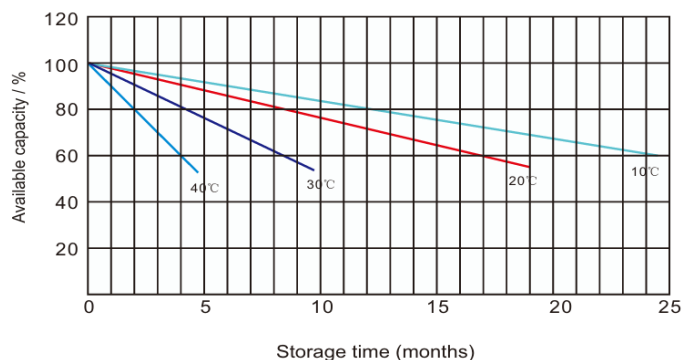
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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