

BC70-12 | 12V 70Ah

Valve Regulated Lead Acid Battery

BLACK BATT.

Specification

Rated Voltage	12V
Nominal Capacity (10 hour rate)	70Ah
Dimensions	Length 348 ± 3 mm (13.7 inches)
	Width 167 ± 3 mm (6.57 inches)
	Container Height 178 ± 3 mm (7.01 inches)
	Total Height 178 ± 3 mm (7.01 inches)
Approximate Weight	18.6kg ± 3% (40.8 lbs)
Short-circuit current	1495A
Internal Resistance (25°C)	Approx. 7mΩ
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)	10 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	135.3	101.0	84.1	70.7	54.3	40.5	34.2	25.7	20.6	15.5	12.4	10.3	8.96	7.29	6.09	3.27
1.80V/cell	157.7	119.1	97.8	81.4	61.4	45.3	37.9	28.1	22.4	16.8	13.3	11.1	9.61	7.80	6.50	3.45
1.75V/cell	172.1	127.7	103.5	85.5	64.2	47.2	39.3	29.0	23.1	17.2	13.7	11.4	9.82	7.94	6.60	3.49
1.70V/cell	186.4	136.2	109.4	89.9	67.0	49.0	40.7	30.0	23.8	17.7	14.0	11.6	10.0	8.08	6.70	3.53
1.67V/cell	194.6	141.2	112.8	92.5	68.7	50.1	41.6	30.6	24.2	18.0	14.2	11.8	10.2	8.17	6.76	3.56
1.60V/cell	214.5	152.8	120.9	98.5	72.6	52.7	43.6	31.9	25.2	18.7	14.7	12.1	10.4	8.36	6.91	3.62

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	257.0	193.3	161.6	136.2	105.0	78.6	66.6	50.1	40.2	30.4	24.3	20.3	17.7	14.4	12.1	6.49
1.80V/cell	295.1	225.2	186.0	155.4	117.7	87.3	73.2	54.5	43.5	32.8	26.1	21.8	18.9	15.4	12.8	6.84
1.75V/cell	317.1	238.6	194.7	161.5	122.0	90.1	75.3	56.0	44.6	33.5	26.6	22.3	19.3	15.6	13.0	6.93
1.70V/cell	337.8	251.1	203.4	168.3	126.2	92.8	77.6	57.5	45.8	34.3	27.2	22.7	19.6	15.9	13.2	7.01
1.67V/cell	349.4	258.3	210.4	171.9	128.7	94.4	78.8	58.3	46.4	34.7	27.5	22.9	19.8	16.0	13.3	7.06
1.60V/cell	375.4	273.8	219.5	180.2	134.2	98.2	81.9	60.4	48.0	35.8	28.3	23.5	20.3	16.3	13.6	7.17

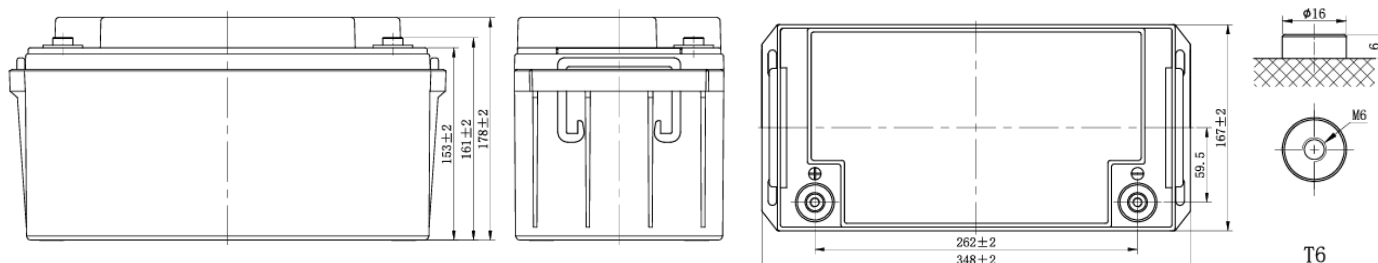
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

BC70-12 | 12V 70Ah

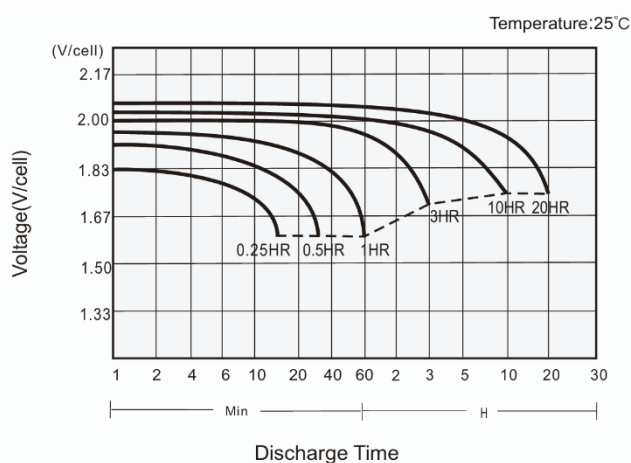
Valve Regulated Lead Acid Battery

BLACK BATT.

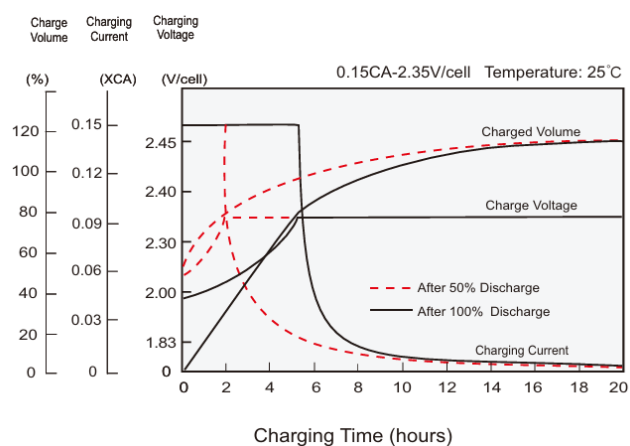
Dimensions | Terminal Type (unit:mm)



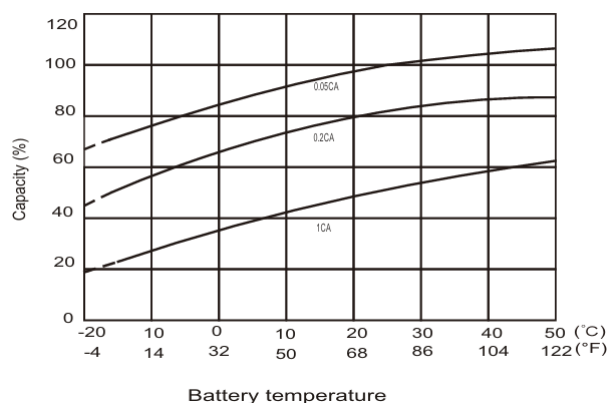
Discharge Characteristics



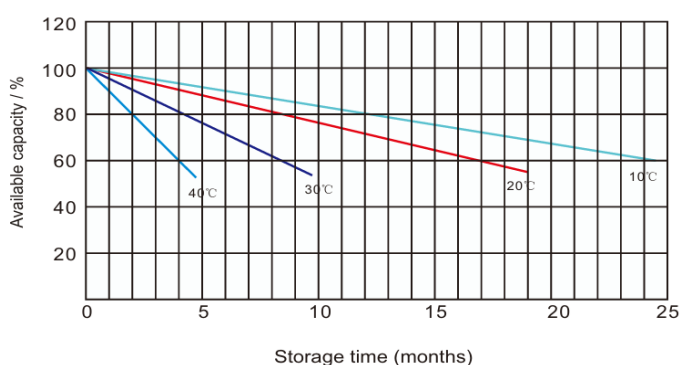
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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.