

# BG12 SERIES

## BG12-70 12V Gel Battery



**BOSCH**  
Invented for life

### Applications

Telecommunications	Engine starting	Golf trolley
Solar system	Wheelchair	Boats
Wind power system	Floor cleaning machines	

### Bosch Master Data

Short Order Part Number	Bosch 13 Digit Part Number	Nominal Voltage	Nominal Capacity (20HR)
BG12-70	0092L67001HD6	12V	70.0 AH
<b>Case Size Dimension</b>			
Length	Width	Container Height	Total Height (with Terminal)
259±3mm (10.2 inches)	168±2mm (6.61 inches)	208±3mm (8.19 inches)	214±3mm (8.43 inches)
Approx Weight	Terminal	Container Material	
23.0 kg (50.7lbs)	T6	ABS	
<b>Rated Capacity</b>			
70.0 AH/3.50 A (20hr, 1.80V/cell, 25°C/77°F)	65.1 AH/5.51 A (10hr, 1.75V/cell, 25°C/77°F)	56.0 AH/11.2 A (5hr, 1.75V/cell, 25°C/77°F)	
48.6 AH/16.2 A (3hr, 1.75V/cell, 25°C/77°F)	38.5 AH/38.5 A (1hr, 1.67V/cell, 25°C/77°F)		
Max. Discharge Current	Internal Resistance		
700A (5s)	Approx 7.9mΩ		
<b>Operating Temp. Range</b>			
Discharge : -20-55°C (-4-131°F)	Charge: 0-40°C (32-104°F)	Storage : -20-50°C (-4-122°F)	
Nominal Operating Temp. Range	Cycle Use		
25±3°C (77±5°F)	Initial Charging Current less than 14.0A.Voltage 14.4V-15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C		
Standby Use			
No limit on Initial Charging Current Voltage 13.5V-13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C			
Capacity affected by Temperature	Self Discharge		
40°C (104°F) 103%      25°C (77°F) 100%      0°C (32°F) 86%	Bosch BG series batteries may be stored for up to 9 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.		

### Certification Standards

AS/NZS  
4029.2:2000



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

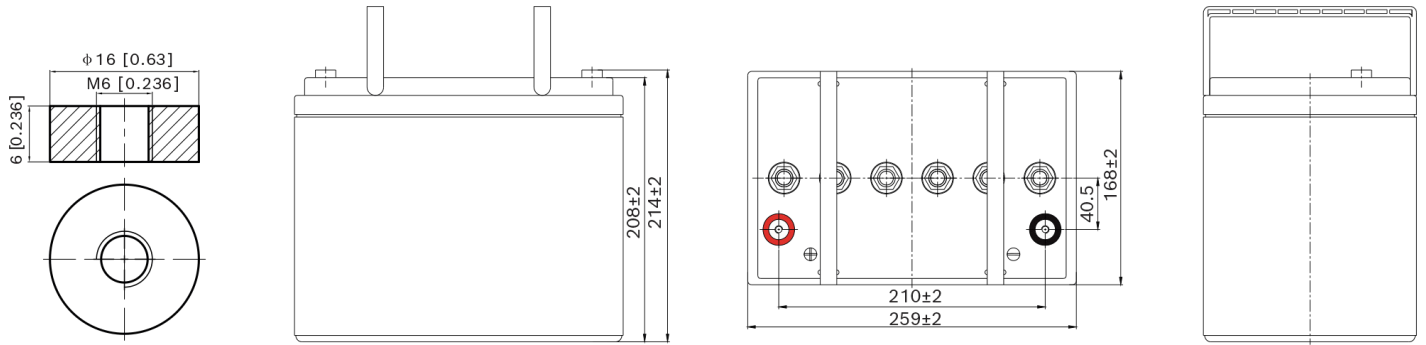
F.V/Time	20min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr	9hr	10hr	20hr
1.85V/cell	59.2	46.5	35.5	29.7	18.8	14.4	11.9	10.3	8.86	7.84	7.07	6.46	6.11	3.36
1.80V/cell	67.8	51.9	39.1	32.8	20.4	15.4	12.6	10.8	9.30	8.21	7.41	6.80	6.38	3.50
1.75V/cell	76.2	57.1	42.3	35.1	21.6	16.2	13.2	11.2	9.63	8.50	7.65	7.00	6.51	3.57
1.70V/cell	82.1	61.2	44.9	37.1	22.9	16.9	13.6	11.6	9.96	8.78	7.88	7.19	6.66	3.62
1.65V/cell	85.5	63.6	46.5	38.5	23.5	17.5	14.0	11.8	10.1	8.91	8.00	7.28	6.74	3.65
1.60V/cell	92.6	68.0	49.9	40.9	24.4	18.2	14.5	12.2	10.4	9.10	8.14	7.44	6.87	3.70

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

F.V/Time	20min	30min	45min	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr	9hr	10hr	20hr
1.85V/cell	113.3	89.6	68.8	57.8	36.8	28.1	23.4	20.3	17.5	15.6	14.1	12.9	12.2	6.71
1.80V/cell	128.1	99.2	75.3	63.5	39.6	30.0	24.7	21.2	18.4	16.2	14.7	13.5	12.7	6.98
1.75V/cell	142.4	108.0	80.8	67.6	41.9	31.6	25.8	22.0	19.0	16.8	15.1	13.9	12.9	7.11
1.70V/cell	151.7	114.7	85.2	71.1	44.2	32.9	26.6	22.6	19.6	17.3	15.6	14.3	13.2	7.19
1.65V/cell	156.2	117.9	87.6	73.3	45.1	33.8	27.1	23.0	19.8	17.5	15.8	14.4	13.4	7.25
1.60V/cell	167.3	125.1	93.4	77.5	46.7	34.9	28.1	23.6	20.2	17.8	16.0	14.7	13.6	7.35

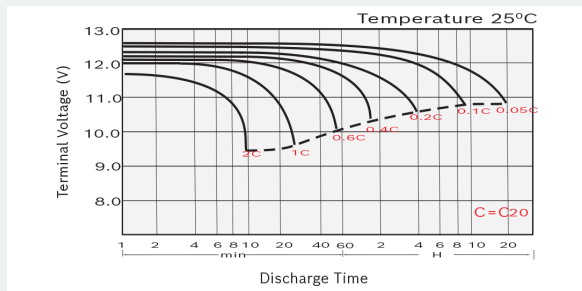
## Product Dimension & Design

T6 Terminal  
Unit: mm [inches]

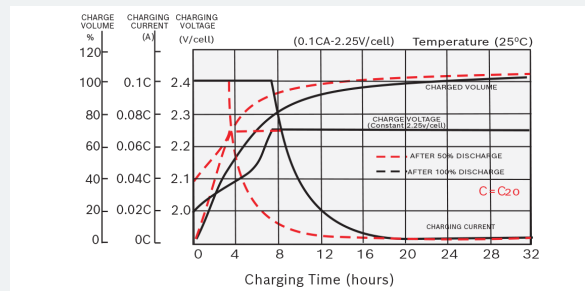


## Product Performance Overview

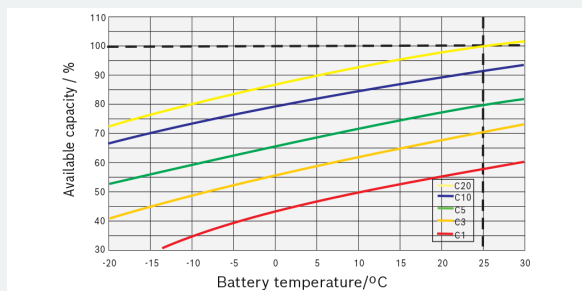
### Discharge Characteristics



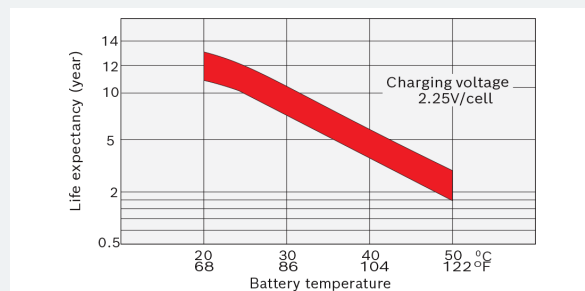
### Float Charging Characteristics



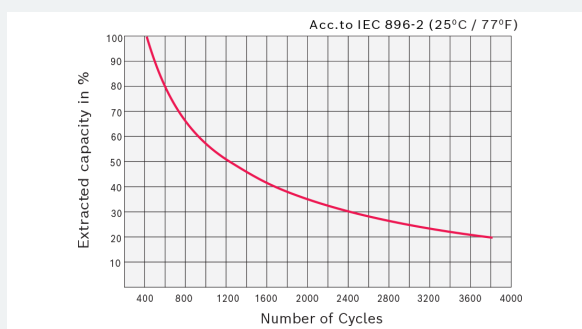
### Temperature Effects in Relation to Battery Capacity



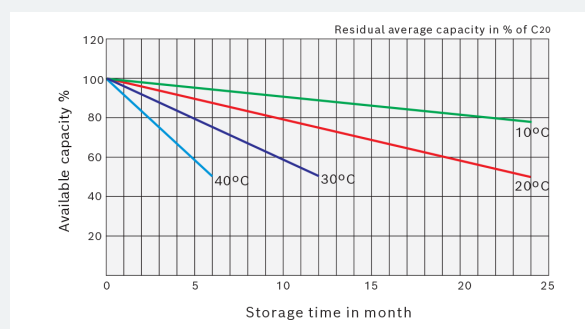
### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### General Relation of Capacity VS. Storage Time



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Dealer stamp here: