

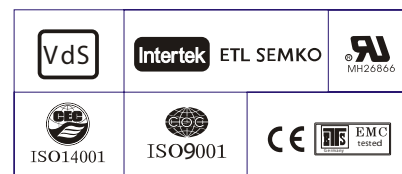
### Specification

Nominal Voltage	12V	
Nominal Capacity(10 HR)	60.0AH	
Dimensions	Length	238 ±3mm (10.2 inches)
	Width	172 ±2mm (6.61 inches)
	Container Height	182 ±3mm (8.19 inches)
	Total Height (with Terminal)	188 ±3mm (8.43 inches)
Approx Weight	Approx 18.0 kg (39.7lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	62.4 AH/3.12A	(20hr, 1.80V/cell, 25 °C/77 °F)
	60.0 AH/6.00A	(10hr, 1.80V/cell, 25 °C/77 °F)
	51.5 AH/10.3A	(5hr, 1.75V/cell, 25 °C/77 °F)
	46.8 AH/15.6A	(3hr, 1.75V/cell, 25 °C/77 °F)
	36.6 AH/36.6A	(1hr, 1.60V/cell, 25 °C/77 °F)
Max. Discharge Current	720A (5s)	
Internal Resistance	Approx 7.4m Ω	
Operating Temperature	Discharge :	-15 ~ 50°C (5 ~ 122°F)
	Charge :	0 ~ 40°C (32 ~ 104°F)
	Storage :	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temperature	25 ± 3°C (77 ± 5°F)	
Cycle Use	Initial Charging Current less than 18.0A. 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	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	SBB DryCell series batteries may be stored for up to 6 months at 25°C(77°F) and then a refreshing charge is required. For higher temperatures the time interval will be shorter.	



### Applications

- ◆ All purpose
- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	102.7	80.7	68.7	57.4	45.6	34.5	28.3	18.0	14.2	11.6	9.38	8.17	6.63	5.66	3.09
1.80V/cell	137.8	103.2	83.0	67.9	53.9	40.2	31.7	19.7	15.3	12.4	10.1	8.76	7.03	6.00	3.12
1.75V/cell	155.4	113.4	90.6	73.0	55.9	41.7	33.2	20.4	15.6	12.7	10.3	9.00	7.15	6.06	3.15
1.70V/cell	171.1	123.5	96.7	76.7	58.2	43.4	34.2	21.2	16.1	13.0	10.6	9.19	7.25	6.12	3.21
1.65V/cell	188.7	133.3	102.9	81.5	61.4	44.4	35.3	21.8	16.7	13.5	10.9	9.39	7.37	6.25	3.25
1.60V/cell	208.2	144.8	110.0	86.9	64.8	46.3	36.6	22.5	17.2	13.9	11.2	9.59	7.44	6.31	3.27

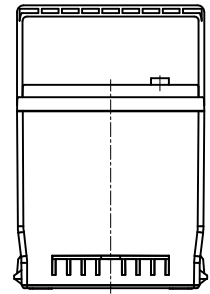
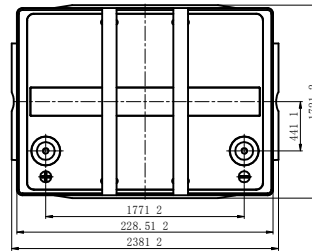
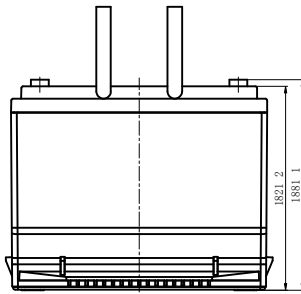
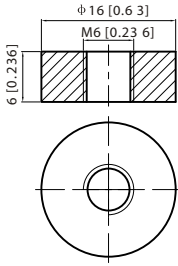
### Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	187.8	149.1	128.1	108.2	87.0	66.4	54.6	35.0	27.8	22.7	18.4	16.0	13.1	11.2	6.12
1.80V/cell	249.3	188.3	152.7	126.1	101.1	76.6	60.8	37.9	29.7	24.2	19.7	17.1	13.8	11.9	6.17
1.75V/cell	275.2	203.6	164.8	134.3	104.1	78.8	63.3	39.2	30.1	24.6	20.1	17.6	14.0	12.0	6.22
1.70V/cell	294.6	216.9	173.5	140.1	107.7	81.6	65.1	40.7	30.9	25.2	20.6	17.9	14.2	12.1	6.34
1.65V/cell	320.2	231.9	183.0	147.7	112.7	82.9	66.8	41.6	32.1	26.0	21.1	18.2	14.4	12.3	6.41
1.60V/cell	345.1	246.0	192.5	155.7	118.2	85.9	68.8	42.7	32.9	26.7	21.7	18.6	14.5	12.4	6.44

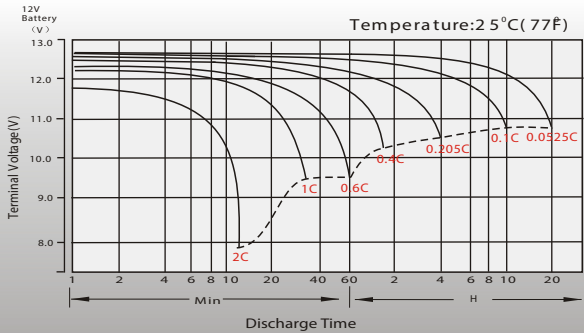
# Dimensions

## T6 Terminal

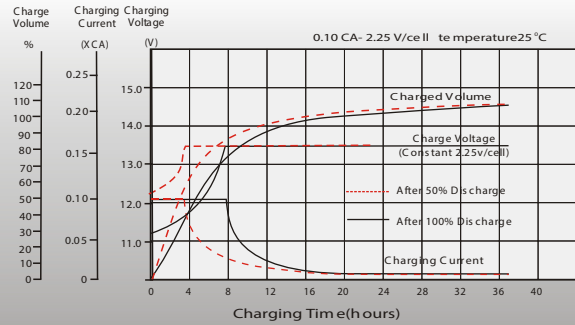
Unit: mm [inches]



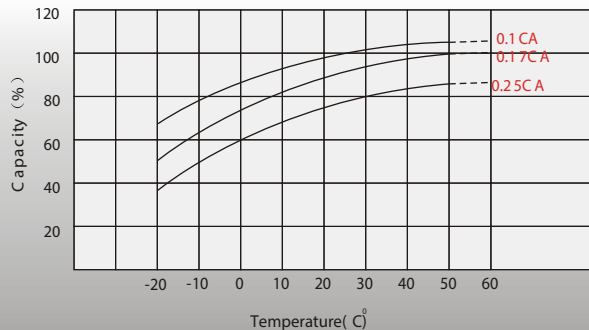
## Discharge Characteristics



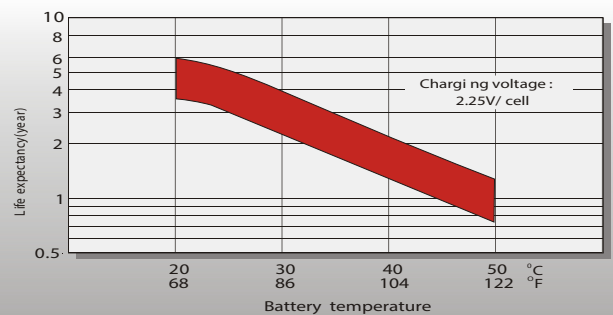
## Float Charging Characteristics



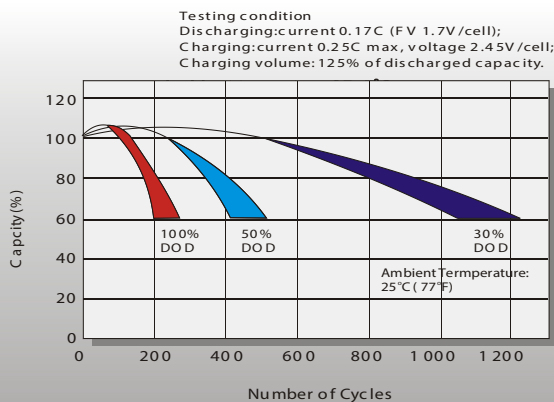
## Temperature Effects in Relation to Battery Capacity



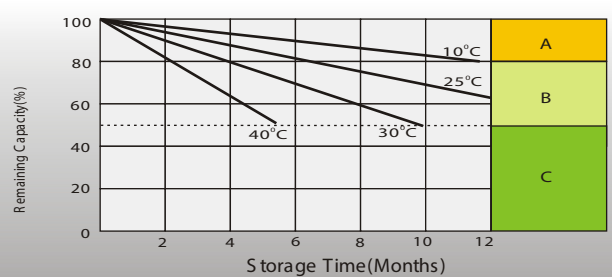
## Effect of Temperature on Long Term Float Life



## 7 mWV @Z' b' F Y Uj c b' h c ' 8 YdH ' c Z8 j g W Uf [ Y



## GY Z8 j g W Uf [ Y 7 \ Uf U W Y f j g h W j



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
  1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
  2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
  3. Charged for 8~10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.

Head Office

# SUPER START

BATTERIES

Unit 30  
76 Hume Highway  
LANSDALE NSW 2166  
Tel: (02) 9755 7851 Fax: (02) 9755 7852

