

## 12SB10C

### Specifications

<b>Nominal Voltage (V)</b>	12V		
<b>Nominal Capacity</b>			
20hour rate ( 0.5A	to	10.50V )	10Ah
10hour rate ( 1.0A	to	10.50V )	9.5Ah
5hour rate ( 1.7A	to	10.20V )	8.5Ah
1C ( 10A	to	9.60V )	6.33Ah
3C ( 30A	to	9.60V )	4Ah

**Weight**                      Approx.3.287kg(7.23Lbs.)

**Internal Resistance (at 1KHz)**                      12 mΩ

**Maximum Discharge Current for 5 seconds :**                      135A

**Operating Temperature Range**

Charge	-15°C (5°F) to	40°C (104°F)
Discharge	-15°C (5°F) to	50°C (122°F)
Storage	-15°C (5°F) to	40°C (104°F)

**Charge Retention (shelf life) at 20°C (68°F)**

1 month	92%
3 month	90%
6 month	80%

**Charging Methods at 20°C (68°F)**

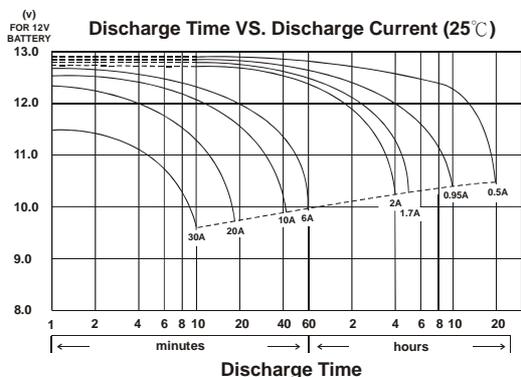
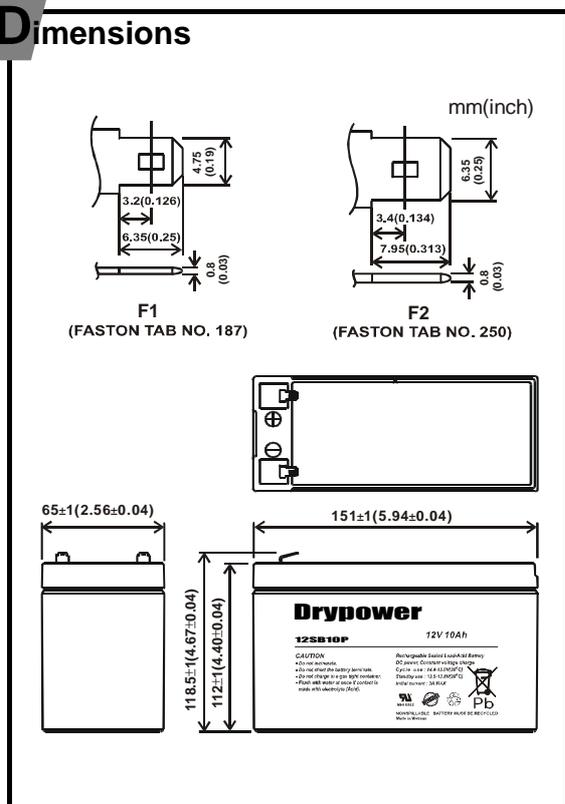
- Cycle use:**  
 Charging Voltage 14.4 to 15.0V  
 Maximum Charging Current : 3.0A
- Standby use :**  
 Float Charging Voltage 13.50 to 13.80V

- Life expectancy :**
- Cycle Use :**  
 100% depth of discharge 225 cycles  
 80% depth of discharge 250 cycles  
 50% depth of discharge 750 cycles
- Standby Use :**    3~5years

**Case Material**                      ABS  
 (Option : 94-HB & 94V-0 flame retardant case)

**Terminal**    F1 or F2

### Dimensions



# Drypower

Revision 1.2

All data on the spec. sheet is an average value:

The tolerance range :  $X < 6\text{min}(+15\% \sim -15\%)$ ,  $6\text{min} \leq X < 10\text{min}(+12\% \sim -12\%)$ ,  $10\text{min} \leq X < 60\text{min}(+8\% \sim -8\%)$ ,  $X \geq 60\text{min}(+5\% \sim -5\%)$

## Discharge Rates in Watts to Various End Voltages at 25°C

End Voltage Time	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
5 min	319	359	381	388	390	395
10 min	243	268	282	286	287	287
15 min	181	198	207	210	211	211
30 min	110	118	122	124	124	124
60 min	67.0	70.6	72.4	72.9	73.2	73.3
120 min	40.8	42.1	42.8	43.0	43.1	43.2
180 min	21.1	21.3	21.4	21.4	21.4	21.5
240 min	24.8	25.2	25.2	25.3	25.3	25.4
300 min	21.1	21.2	21.4	21.4	21.5	21.5
600 min	12.5	12.6	12.6	12.7	12.7	12.8
1200 min	6.36	6.48	6.72	6.84	6.96	7.08

## Discharge Rates in Amperes to Various End Voltages at 25°C

End Voltage Time	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
5 min	26.6	29.9	31.8	32.3	32.5	32.8
10 min	20.2	22.3	23.5	23.8	23.9	24.0
15 min	15.1	16.5	17.3	17.5	17.6	17.6
30 min	9.19	9.9	10.2	10.3	10.3	10.4
60 min	5.59	5.88	6.03	6.08	6.10	6.11
120 min	3.40	3.51	3.57	3.58	3.60	3.60
180 min	1.76	1.77	1.78	1.78	1.79	1.79
240 min	2.07	2.10	2.10	2.11	2.11	2.12
300 min	1.76	1.77	1.78	1.78	1.79	1.79
600 min	1.04	1.05	1.05	1.06	1.06	1.07

Contents in this data sheet are subject to change for improvement without prior notice to users. For clarifications and updated information, please contact us.