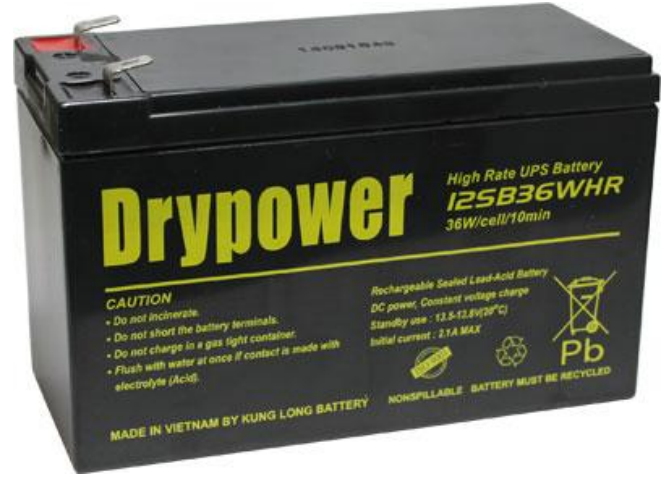


12SB36WHR 12Volt 36WHR

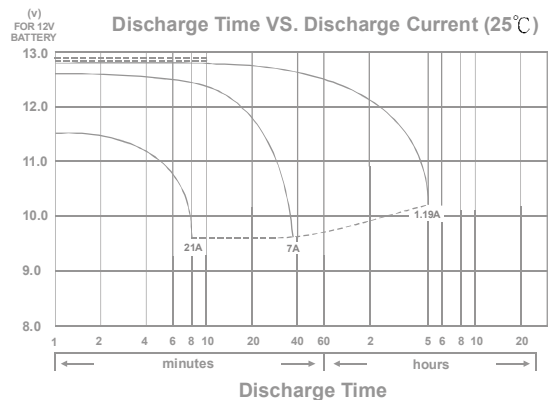
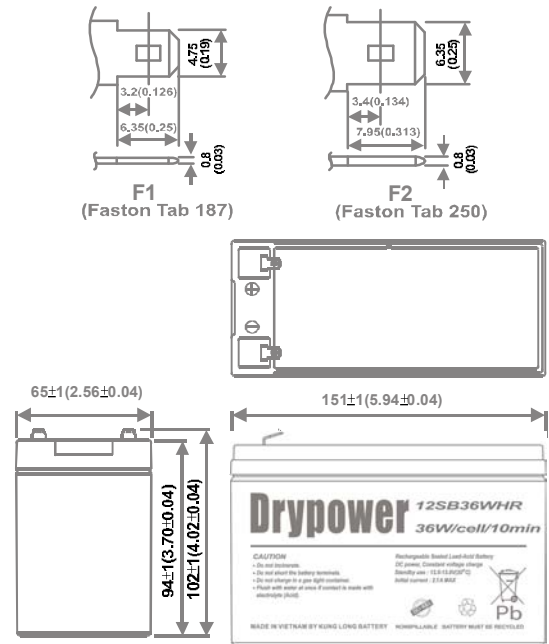
Specifications

Nominal Voltage(V)		12V	
<hr/>			
Nominal Capacity			
10 min rate	(219W to 9.60V)	36.5Wh	
20 hour rate	(0.35A to 10.50V)	7Ah	
1 C	(7A to 9.60V)	4.43Ah	
3 C	(21A to 9.60V)	2.8Ah	
<hr/>			
Weight		Approx. 2.2kg(4.84Lbs.)	
<hr/>			
Internal Resistance (at 1KHz)		Approx. 17 mΩ	
<hr/>			
Maximum Discharge Current for 5 seconds:			
		105A	
<hr/>			
Charging Methods at 25°C (77°F)			
Cycle use: N/A			
Charging Voltage			
Coefficient -5.0mV/°C/cell			
Maximum Charging Current :		2.1A	
Standby use:			
Float Charging Voltage		13.50 to 13.80V	
Coefficient -3.0mV/°C/cell			
<hr/>			
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)		
<hr/>			
Charge Retention (shelf life) at 20°C (68°F)			
1 month			92%
3 month			90%
6 month			80%
<hr/>			
Case Material		ABS	
(Option: UL94 HB & UL94 V-0 flame retardant)			
<hr/>			
Terminal	F1 or F2 (Faston Tab 187 or 250)		

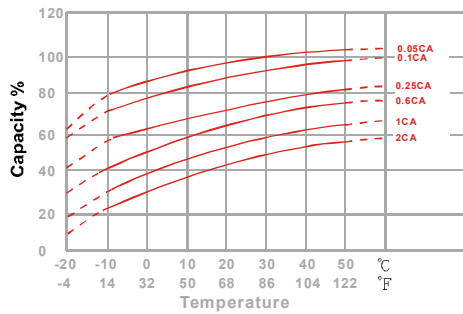


Dimensions

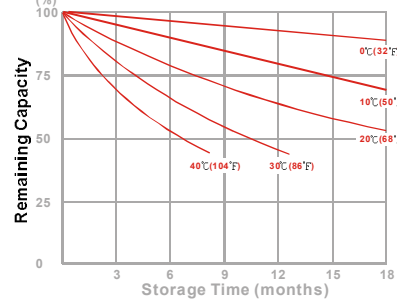
mm(inch)



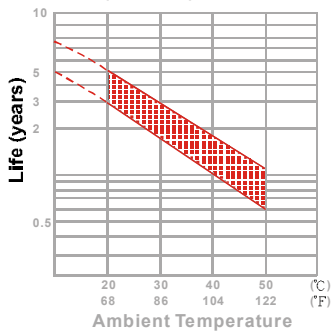
Effect of Temperature on Capacity 25°C(77°F)



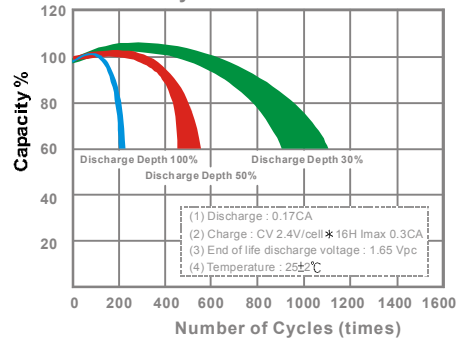
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	263	282	294	306	311	317	326
10	min	180	191	199	206	209	213	219
15	min	144	151	155	159	161	164	168
30	min	72.4	77.6	81.5	84.6	85.5	86.4	87.5
60	min	46.2	50.3	51.8	53.2	53.8	54.5	55.4
120	min	24.6	27.1	28.3	29.5	29.9	30.4	31.2
180	min	18.5	19.9	20.9	21.7	22.0	22.3	22.8
240	min	17.1	17.6	18.0	18.3	18.4	18.6	18.9
300	min	14.8	15.2	15.5	15.7	15.8	15.9	16.1
600	min	8.16	8.39	8.51	8.59	8.62	8.66	8.72
1200	min	4.14	4.23	4.31	4.37	4.39	4.42	4.46

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	23.1	26.2	27.8	29.1	29.6	30.5	31.7
10	min	16.1	17.3	18.1	18.6	18.9	19.2	19.8
15	min	12.6	13.1	13.5	13.8	14.0	14.1	14.3
30	min	6.54	7.05	7.28	7.47	7.56	7.68	7.85
60	min	4.02	4.25	4.41	4.52	4.58	4.63	4.71
120	min	2.26	2.38	2.45	2.49	2.51	2.54	2.57
180	min	1.65	1.74	1.79	1.82	1.83	1.85	1.88
240	min	1.39	1.44	1.48	1.51	1.53	1.55	1.57
300	min	1.13	1.19	1.24	1.28	1.30	1.31	1.32
600	min	0.667	0.675	0.682	0.687	0.690	0.694	0.699
1200	min	0.339	0.346	0.350	0.353	0.355	0.357	0.359

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

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