Drypower

RECHARGEABLE SEALED LEAD ACID BATTERY

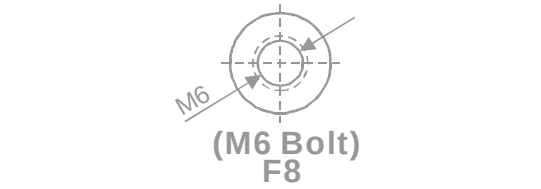
Supplier of Energy

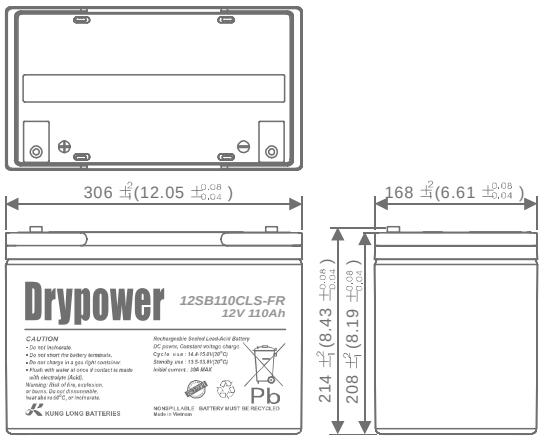
12SB110CLS-FR 12Volt 111Ah

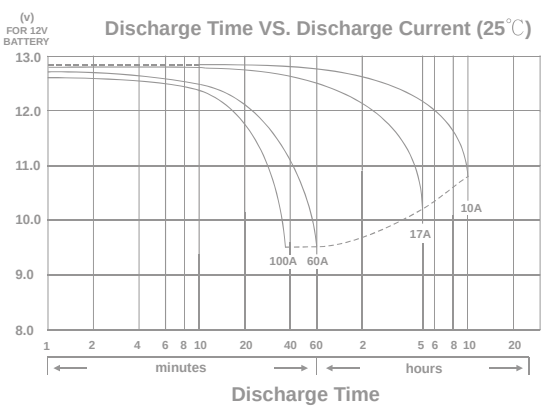
Specifications

Nominal Voltage(V)	**12V**
Nominal Capacity	
20 hour rate (5.57A to 9.90V)	**111.4Ah**
10 hour rate (10.6A to 9.90V)	**106.0Ah**
5 hour rate (18.1A to 9.60V)	**90.5Ah**
1 hour rate (64.9A to 9.60V)	**64.9Ah**
Weight	Approx. **30.5kg (67.1Lbs.)**
Internal Resistance (at 1KHz)	Approx. **5 mΩ**
Maximum Discharge Current for	
5 seconds:	**1200A**
Charging Methods at 25℃(77℉)	
Cycle use:	
Charging Voltage	**14.4 to 15.0V**
Coefficient -5.0mv/℃/cell	
Maximum Charging Current：	**30A**
Standby use:	
Float Charging Voltage	**13.50 to 13.80V**
Coefficient -3.0mv/℃/cell	
Design Life	**12 years**
Operating Temperature Range	
Charge	-15℃(5℉) to 40℃(104℉)
Discharge	-15℃(5℉) to 50℃(122℉)
Storage	-15℃(5℉) to 40℃(104℉)
Charge Retention (shelf life) at 20℃(68℉)	
1 month	98%
3 month	94%
6 month	85%
Case Material	**UL94-V0 Flame Retardant**
Terminal	**F8**

Dimensions mm(inch)







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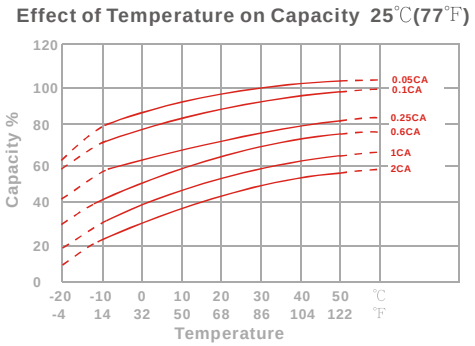

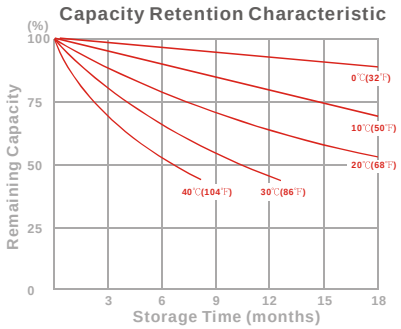

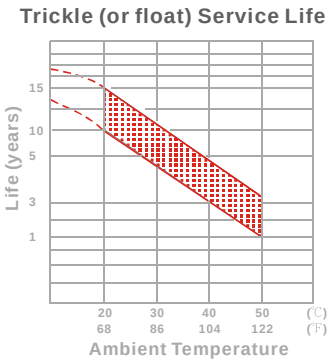

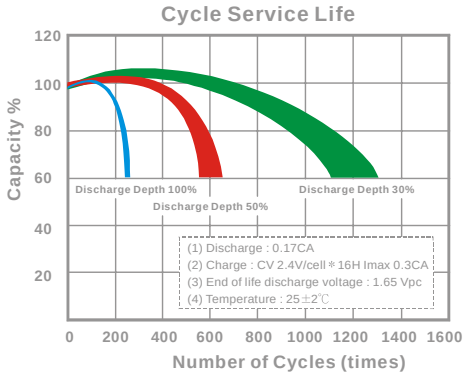

- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	2749	3071	3292	3503	3600	3702	3894
10	min	2087	2281	2440	2592	2657	2731	2862
15	min	1660	1807	1919	2027	2075	2126	2217
30	min	977	1041	1095	1146	1167	1194	1236
60	min	669	696	714	731	738	747	758
120	min	398	417	432	441	447	454	463
180	min	283	298	311	313	318	324	331
240	min	211	224	236	248	252	257	263
300	min	188	197	205	211	213	216	220
600	min	108	115	120	125	127	129	131
1200	min	62.1	64.3	66.0	67.2	67.7	68.3	69.1

- Discharge Rates in Amperes to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	202	267	305	336	346	358	375
10	min	159	188	209	226	234	243	257
15	min	119	146	165	179	184	190	198
30	min	71.2	83.7	92.1	101	103	106	111
60	min	43.6	50.8	56.5	60.6	61.5	63.0	64.9
120	min	25.8	29.3	32.5	35.6	36.4	37.3	38.5
180	min	22.6	23.7	24.8	25.7	26.1	26.5	27.2
240	min	18.3	19.1	19.8	20.5	20.8	21.1	21.6
300	min	16.1	16.7	17.2	17.6	17.8	17.9	18.1
600	min	9.71	10.0	10.2	10.4	10.5	10.6	10.7
1200	min	5.09	5.26	5.38	5.48	5.53	5.57	5.64

All data on the spec. sheet is an average value:
The tolerance range : X<6min(+15%~-15%), 6min≦X<10min(+12%~-12%),10min ≦X < 60min(+8% ~-8%), X≧60min(+5%~-5%)