Drypower

RECHARGEABLE SEALED LEAD ACID BATTERY

12SB55CL (12V 55Ah)

SPECIFICATIONS

Nominal Voltage (V)

12V

Nominal Capacity

 20 hour rate
 (2.750A to 10.50V)
 55Ah

 10 hour rate
 (5.225A to 10.50V)
 52.25Ah

 5 hour rate
 (9.350A to 10.20V)
 46.75Ah

 1C
 (55A to 9.60V)
 31.17Ah

 3C
 (165A to 9.60V)
 22Ah

Weight

Approx. 17kg (37.4lbs)

Internal Resistance (@1kHz)

Approx. 8mΩ

Maximum Discharge Current

For 5 seconds 660A

Charging Methods @25°C (77°F)

Cycle Use:

Charging Voltage 14.4V to 15.0V

Coefficient -5.0mV/°C/Cell

Maximum Charging Current 16.5A

Standby Use:

Float Charging Voltage 13.50V to 13.80V

Coefficient -3.0mV/°C/Cell

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) @20°C (68°F)

 1 month
 98%

 3 months
 94%

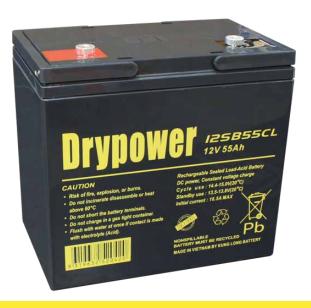
 6 months
 85%

Case Material ABS

Terminal F8

Description of Torque Value of Hard Ware for the Terminals

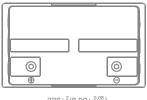
Recommended Torque Value M6: 5.39 N-m (55kg-cm) Max. Allowable Torque Value M6: 8.82 N-m (90kg-cm)

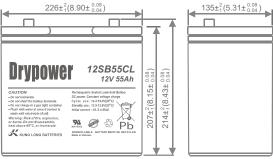


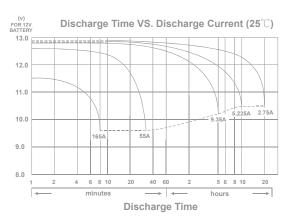
DIMENSIONS

mm (inch)

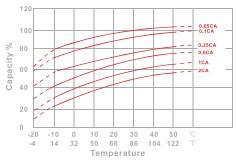




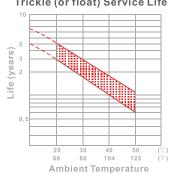


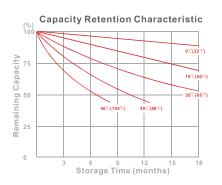


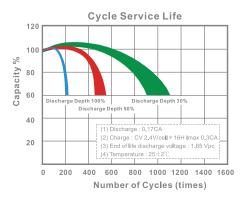




Trickle (or float) Service Life







- 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	1968	2283	2478	2581	2603	2625	2661
10	min	1263	1465	1590	1656	1670	1685	1708
15	min	981	1123	1210	1254	1265	1276	1292
30	min	521	597	642	663	670	678	687
60	min	388	405	416	425	428	432	436
120	min	195	208	217	223	225	227	230
180	min	158	169	175	179	180	182	184
240	min	131	138	142	145	146	147	148
300	min	110	116	120	122	123	124	125
600	min	63.8	66.7	68.4	69.5	69.5	69.9	70.4
1200	min	32.9	34.7	35.6	36.3	36.5	36.8	37.1

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

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	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	176	204	219	228	231	234	238
10	min	110	127	138	143	145	147	149
15	min	83.5	95.6	103	107	108	109	110
30	min	43.8	50.2	54.1	55.8	56.4	57.0	57.7
60	min	29.4	33.2	34.5	35.4	35.7	36.1	36.5
120	min	16.9	18.4	19.2	19.8	20.0	20.3	20.6
180	min	13.0	13.8	14.3	14.7	14.8	15.0	15.2
240	min	10.9	11.5	11.7	11.9	12.0	12.1	12.2
300	min	9.32	9.74	9.92	10.1	10.2	10.3	10.4
600	min	5.39	5.63	5.65	5.71	5.73	5.76	5.80
1200	min	2.76	2.89	2.96	3.00	3.01	3.03	3.05

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

The tolerance range : X < 0 + 15%, 0 + 1