

DJW12-7 12Volt 7Ah

Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(0.35A	to	10.50V)	7Ah
10 hour rate	(0.665A	to	10.50V)	6.65Ah
5 hour rate	(1.19A	to	10.20V)	5.95Ah
1 C	(7A	to	9.60V)	3.73Ah
3 C	(21A	to	9.60V)	2.45Ah

Weight Approx. 2.2kg(4.84Lbs.)

Internal Resistance (at 1KHz) Approx. 22 mΩ

Maximum Discharge Current for

5 seconds: 105A

Charging Methods at 25 (77)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mv/ /cell

Maximum Charging Current : 2.1A

Standby use:

Float Charging Voltage 13.50 to 13.80V

Coefficient -3.0mv/ /cell

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 92%

3 month 90%

6 month 80%

Case Material ABS

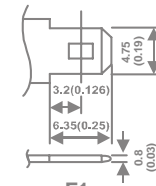
(Option: UL94 HB & UL94 V-0 flame retardant)

Terminal F1 (Faston Tab 187)

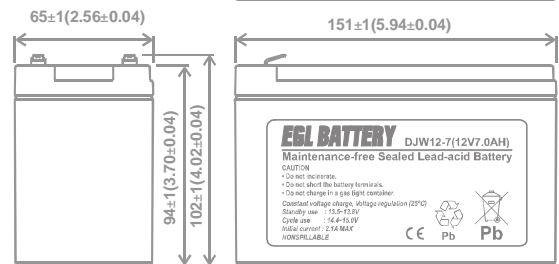


Dimensions

mm(inch)

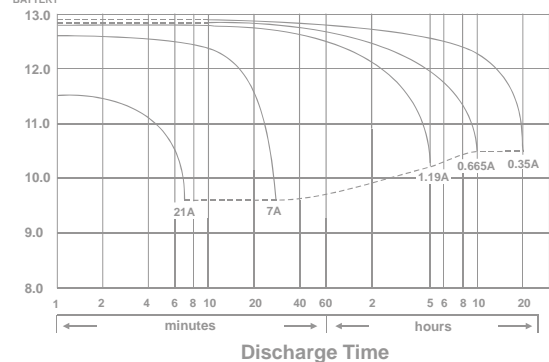


F1 (Faston Tab 187)

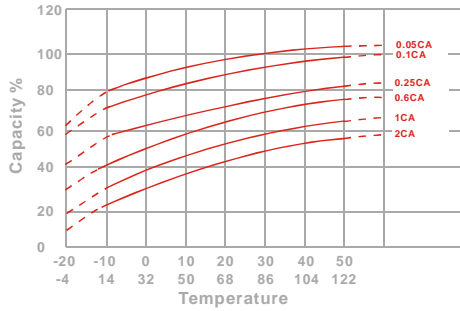


(V)
FOR 12V
BATTERY

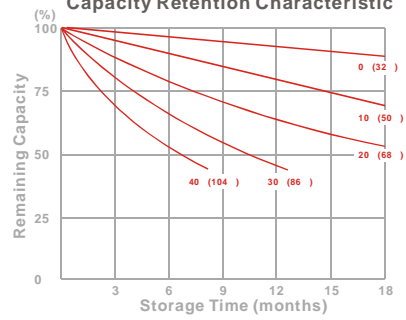
Discharge Time VS. Discharge Current (25)



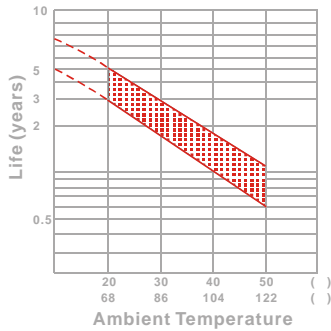
Effect of Temperature on Capacity 25 (77)



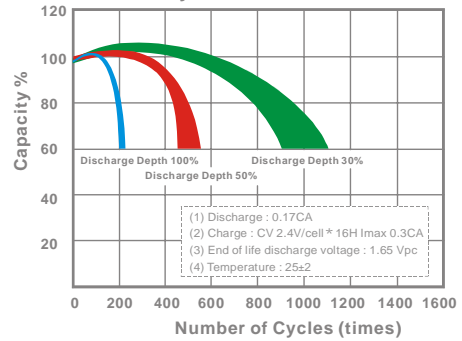
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	226	244	259	271	277	282	290
10	min	160	171	179	186	189	192	197
15	min	125	136	143	146	149	150	152
30	min	39.2	74.1	76.8	79.1	79.9	80.7	81.9
60	min	40.7	44.8	47.2	48.6	49	49.5	50.2
120	min	21.5	23.6	24.9	25.7	25.8	26.1	26.5
180	min	17.1	18.8	19.8	20.4	20.6	20.8	21.1
240	min	14.3	15.2	15.9	16.4	16.5	16.7	16.9
300	min	13.1	13.6	13.9	14.1	14.2	14.3	14.4
600	min	7.92	8.09	8.24	8.36	8.41	8.45	8.51
1200	min	4.15	4.23	4.31	4.37	4.40	4.43	4.47

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	20.7	23.1	24.7	25.5	25.8	26.1	26.4
10	min	13.8	15.4	16.5	17.1	17.2	17.4	17.6
15	min	10.7	11.8	12.6	13.0	13.1	13.2	13.3
30	min	5.62	6.22	6.60	6.82	6.87	6.94	7.02
60	min	3.52	3.76	3.99	4.11	4.15	4.21	4.27
120	min	1.85	1.94	2.02	2.09	2.12	2.16	2.21
180	min	1.46	1.57	1.64	1.70	1.72	1.75	1.79
240	min	1.26	1.31	1.35	1.38	1.39	1.41	1.43
300	min	1.11	1.16	1.21	1.23	1.24	1.25	1.27
600	min	0.688	0.695	0.702	0.707	0.710	0.713	0.717
1200	min	0.353	0.359	0.364	0.368	0.370	0.373	0.376

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%)

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