



**DISCHARGE CURRENT AND END VOLTAGE**

Discharge current (A)	End voltage (V)
0.05C or below or Intermittent discharge	11.4
0.05C of current close to it	11.1
0.1C of current close to it	10.8
0.2C of current close to it	10.5
From 0.2C to 0.5C	10.2
From 0.5C to 1C	9.6
From 1C to 3C	9.0
Current in excess of 3C	7.8

**SPECIFICATION**

Nominal Voltage	12V		
Rated Capacity (10 hour rate)	10 AH		
Dimension	Total Height (top of terminal)	102 mm	4.02"
	Height	94 mm	3.7"
	Length	151 mm	5.94"
	Width	99 mm	3.9"

Weight	Approximately 3.50 kg / 7.71 lbs		
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Capacity 25°C	120 hour rate (110mA)	13.2 AH
	20 hour rate (600A)	12 AH
	10 hour rate (1.0A)	10 AH

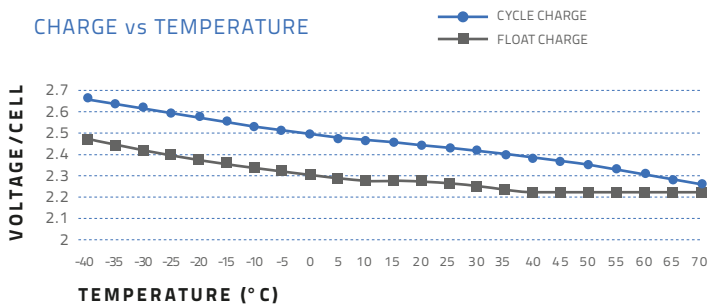
Internal Resistance	Fully charged Battery (25°C)	12.5mΩ
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Self-Discharge 25°C	Capacity after 3 month storage	95%
	Capacity after 6 month storage	85%
	Capacity after 12 month storage	80%

Max Discharge Current 25°C	100A (5S)
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Terminal	Standard	F6
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 3A 14.7V/ (25°C)
	Float	13.6V/ (25°C)

**CHARGE vs TEMPERATURE**



**CHARGE vs TEMPERATURE CHART**

temperature	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
Cycle Charge	2.66	2.64	2.62	2.60	2.58	2.56	2.54	2.52	2.50	2.48	2.47	2.47	2.45	2.45	2.43	2.41	2.39	2.37	2.35	2.33	2.31	2.29	2.27
Float Charge (voltage/cell)	2.46	2.44	2.42	2.40	2.38	2.36	2.34	2.32	2.31	2.30	2.29	2.29	2.29	2.27	2.26	2.24	2.23	2.23	2.23	2.23	2.23	2.23	2.23

**CONSTANT CURRENT DISCHARGE CHARACTERISTICS: UNITS AMPERES (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	36.70	19.42	11.73	8.55	6.89	3.95	2.87	2.25	1.92	1.63	1.24	1.03	0.87	0.57	0.46
1.67V	34.10	18.78	11.56	8.50	6.88	3.93	2.82	2.24	1.89	1.62	1.24	1.02	0.87	0.56	0.46
1.70V	33.76	18.50	11.44	8.38	6.82	3.90	2.80	2.23	1.86	1.60	1.24	1.02	0.86	0.56	0.46
1.75V	30.92	17.92	11.33	8.32	6.71	3.82	2.79	2.20	1.84	1.59	1.23	1.01	0.86	0.56	0.46
1.80V	27.74	16.76	10.87	8.09	6.53	3.76	2.77	2.19	1.82	1.57	1.23	1.00	0.86	0.54	0.46
1.83V	26.52	15.38	10.69	7.80	6.24	3.73	2.66	2.10	1.78	1.51	1.20	0.96	0.82	0.53	0.45
1.85V	24.85	14.91	10.00	7.51	6.07	3.58	2.60	2.07	1.73	1.46	1.19	0.95	0.81	0.53	0.45

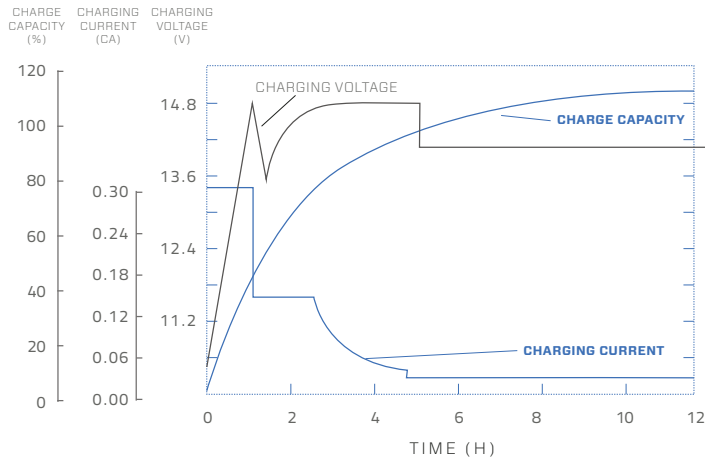
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	61.32	34.10	21.96	16.01	12.88	7.46	5.45	4.32	3.65	3.13	2.42	2.00	1.68	1.12	0.92
1.67V	58.37	33.58	21.07	15.89	12.89	7.46	5.38	4.31	3.65	3.13	2.42	1.99	1.68	1.12	0.92
1.70V	58.03	33.35	21.06	15.89	12.77	7.40	5.37	4.30	3.59	3.10	2.40	1.98	1.66	1.12	0.92
1.75V	54.04	32.94	21.09	15.89	12.72	7.34	5.36	4.29	3.58	3.08	2.39	1.96	1.66	1.12	0.91
1.80V	49.59	31.27	20.63	15.60	12.66	7.34	5.35	4.28	3.55	3.08	2.38	1.95	1.66	1.09	0.91
1.83V	47.85	28.72	20.46	15.14	12.14	7.28	5.20	4.13	3.51	2.98	2.38	1.90	1.64	1.08	0.91
1.85V	44.33	28.09	19.01	14.57	11.79	7.11	5.06	4.08	3.42	2.92	2.29	1.88	1.61	1.06	0.90



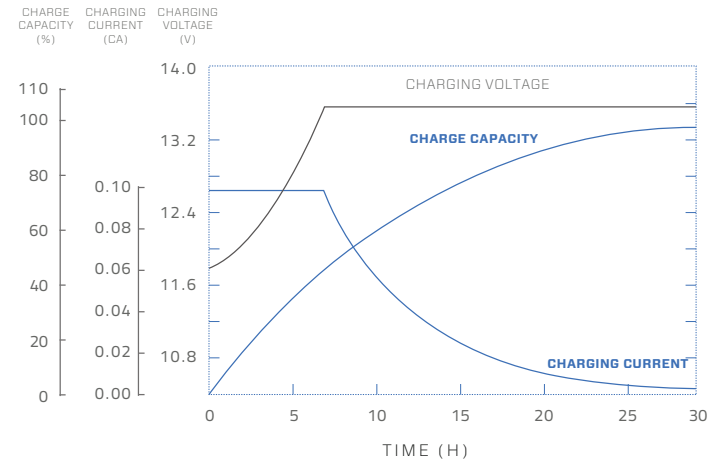
**CYCLE CHARGE CHARACTERISTIC (25°C)**

REGULAR CYCLE CHARGE CHARACTERISTICS 77°F (25°C)



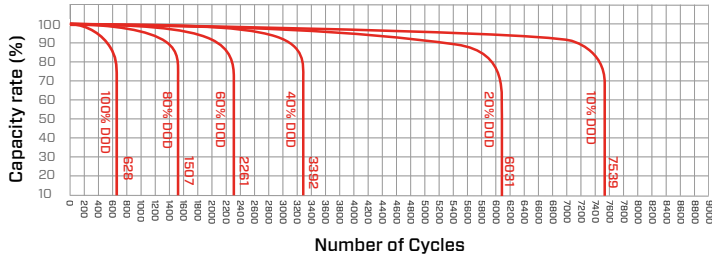
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

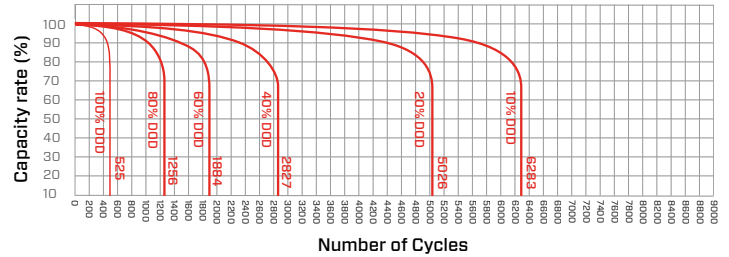


**CYCLE LIFE CURVE GRAPH**

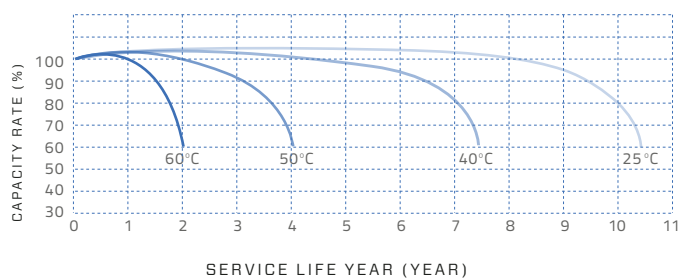
Cycle life curve graph (25°C) 12V



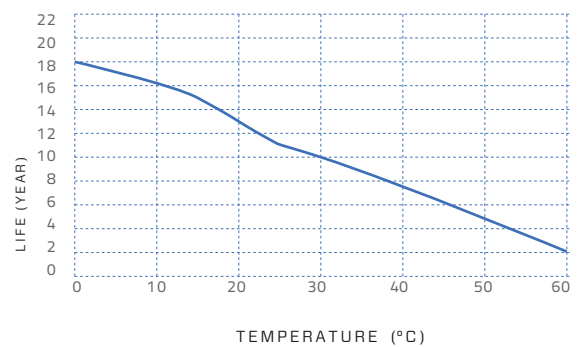
Cycle life curve graph (40°C) 12V



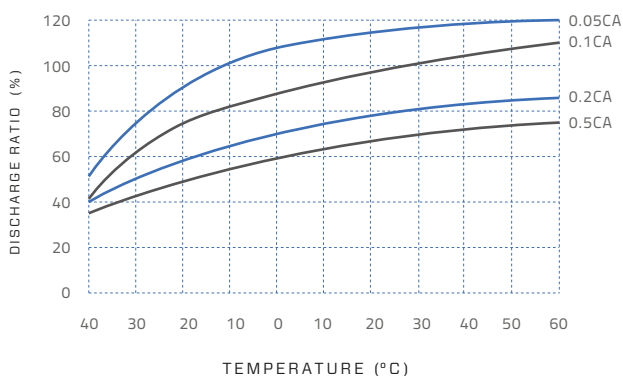
**TEMPERATURE & FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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