

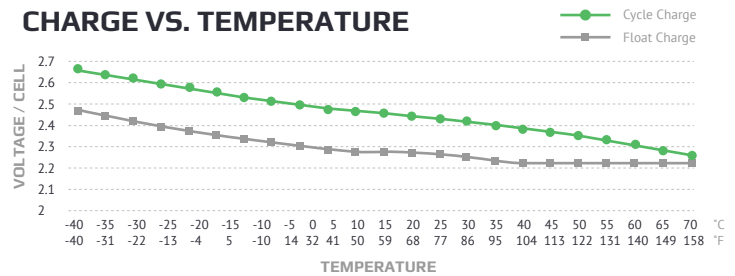
SPECIFICATION		
Nominal Voltage	12V	
Rated Capacity (10 hour rate)	150 AH	
Dimension	Total Height (top of terminal)	241 mm (9.5")
	Height	241 mm (9.5")
	Length	484 mm (19.1")
	Width	170 mm (6.7")
Weight	Approximately 46.5 kg / 102.5 lbs	
Capacity 25°C (77°F)	120 hour rate (1.5A)	180 AH
	20 hour rate (8.1A)	162 AH
	10 hour rate (15A)	150 AH
Internal Resistance	Fully charged Battery 25°C (77°F)	< 4mΩ
Self-Discharge 25°C (77°F)	Capacity after 3 month storage	95%
	Capacity after 6 month storage	85%
	Capacity after 12 month storage	80%
Max Discharge Current 25°C (77°F)	1500 A (5s)	
Terminal	Standard	M8 (20)
	Optional	
Charging (constant voltage)	Cycle	Initial Charging Current 45A 14.7V / 25°C (77°F)
	Float	13.6V / 25°C (77°F)



### 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

### CHARGE VS. TEMPERATURE

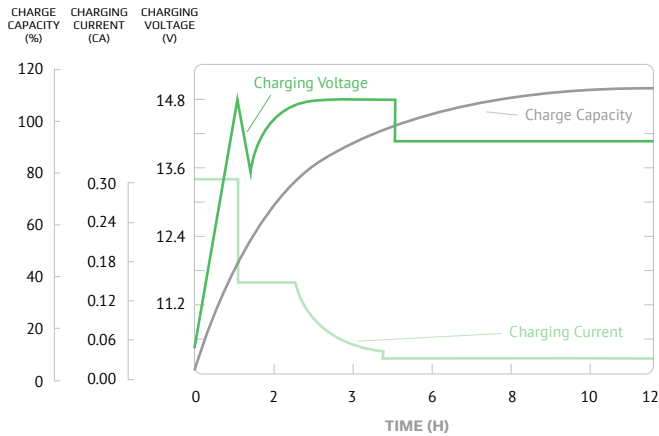


CELL CHARGE VOLTAGE VS. TEMPERATURE CHART																							
Temperature (°C)	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
Temperature (°F)	-40	-31	-22	-13	-4	5	14	23	32	41	50	59	68	77	86	95	104	113	122	131	140	149	158
Cycle Charge	2.66	2.64	2.62	2.60	2.58	2.56	2.54	2.52	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	2.46	2.44	2.42	2.42	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

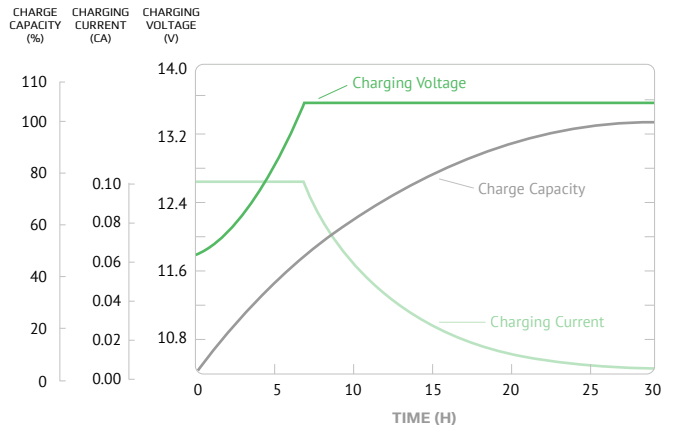
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: UNITS AMPERES 25°C (77°F)															
End Cell Voltage	5 min	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	550.44	291.30	176.01	128.32	103.35	59.21	43.01	33.73	28.77	24.45	18.64	15.52	13.03	8.48	6.93
1.67V	511.56	281.76	173.40	127.44	103.17	58.96	42.23	33.56	28.35	24.28	18.62	15.35	13.01	8.45	6.90
1.70V	506.34	277.44	171.66	125.72	102.32	58.44	41.97	33.38	27.92	24.02	18.55	15.35	12.96	8.43	6.89
1.75V	463.86	268.74	169.95	124.86	100.58	57.31	41.79	32.96	27.66	23.84	18.47	15.17	12.90	8.39	6.88
1.80V	416.16	251.40	162.99	121.38	97.98	56.45	41.62	32.86	27.31	23.58	18.38	15.00	12.83	8.11	6.87
1.83V	397.80	230.64	160.41	117.06	93.65	55.92	39.97	31.47	26.71	22.72	17.99	14.39	12.31	8.02	6.78
1.85V	372.78	223.68	150.00	112.72	91.04	53.67	38.93	31.04	26.01	21.97	17.78	14.22	12.14	7.93	6.72

DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL 25°C (77°F)															
End Cell Voltage	5 min	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	919.79	511.49	329.44	240.14	193.18	111.83	81.75	64.76	54.70	46.99	36.24	30.00	25.23	16.82	13.78
1.67V	875.59	503.69	316.12	238.41	193.33	111.83	80.71	64.67	54.70	46.90	36.24	29.91	25.23	16.82	13.78
1.70V	870.39	500.22	315.96	238.41	191.58	110.97	80.54	64.43	53.84	46.55	35.98	29.65	24.97	16.73	13.78
1.75V	810.58	494.15	316.31	238.41	190.73	110.10	80.37	64.33	53.66	46.21	35.80	29.45	24.97	16.73	13.70
1.80V	743.84	469.00	309.49	234.07	189.86	110.10	80.28	64.15	53.32	46.21	35.72	29.30	24.97	16.30	13.70
1.83V	717.82	430.86	306.90	227.14	182.06	109.23	78.02	61.99	52.71	44.73	35.72	28.44	24.53	16.13	13.61
1.85V	664.93	421.32	285.22	218.48	176.86	106.63	75.86	61.21	51.24	43.87	34.33	28.18	24.10	15.95	13.52

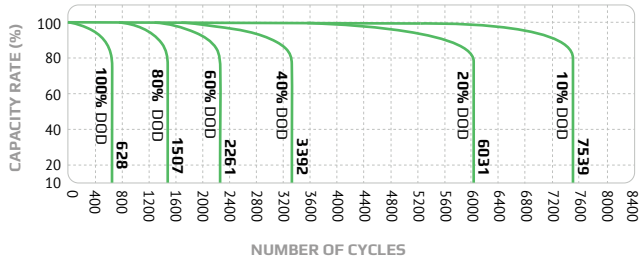
### REGULAR CYCLE CHARGE CHARACTERISTICS 25°C (77°F).



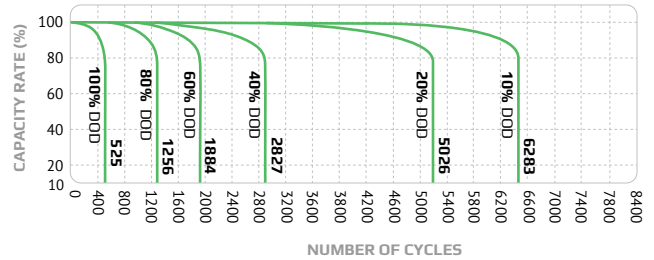
### FLOATING CHARACTERISTICS 25°C (77°F).



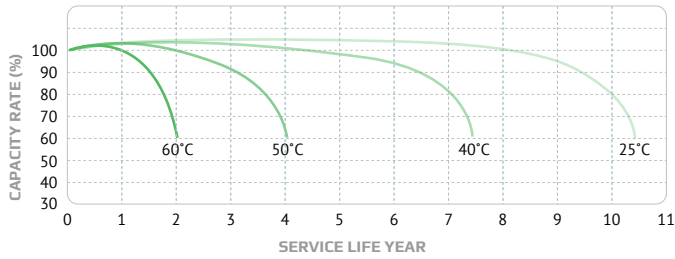
### CYCLE LIFE CURVE GRAPH 25°C (77°F).



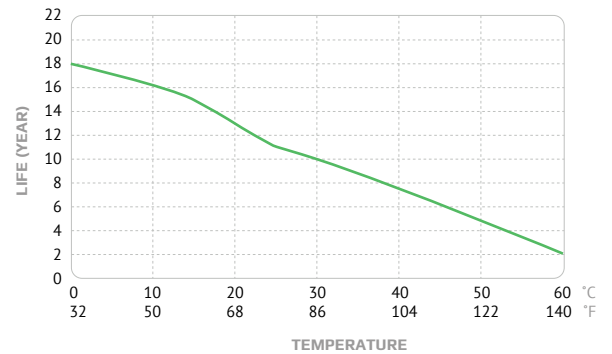
### CYCLE LIFE CURVE GRAPH 40°C (104°F).



### TEMPERATURE & FLOAT SERVICE LIFE.



### FLOAT SERVICE LIFE CURVE GRAPH.



### TEMPERATURE & DISCHARGE CAPACITY.

