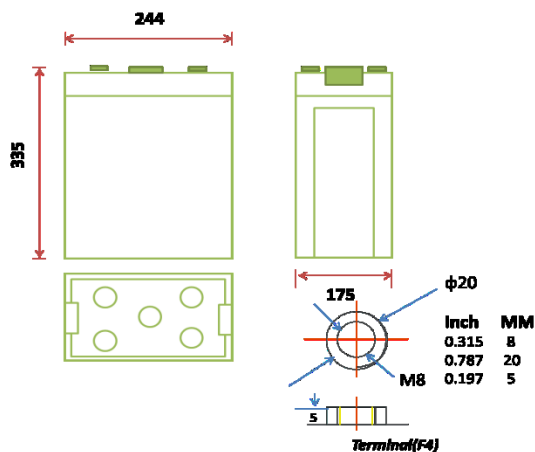


ECO-FRIENDLY ADVANCE TECHNOLOGY BATTERY



2- EFSN -540, 2V 540Ah@20HR

DIMENSION



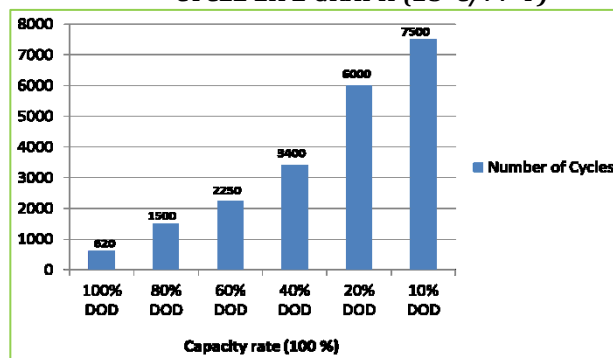
DISCHARGE CURRENT & END DISCHARGE VOLTAGE

Discharge Current (A)	Final Discharge Voltage (V/Cell)
0.05C or below or intermittent discharge	1.9
0.05C of current close to it	1.85
0.1C of current close to it	1.8
0.2C of current close to it	1.75
0.2C-0.5C	1.7
0.5C-1C	1.6
1C-3C	1.5
>3C	1.3

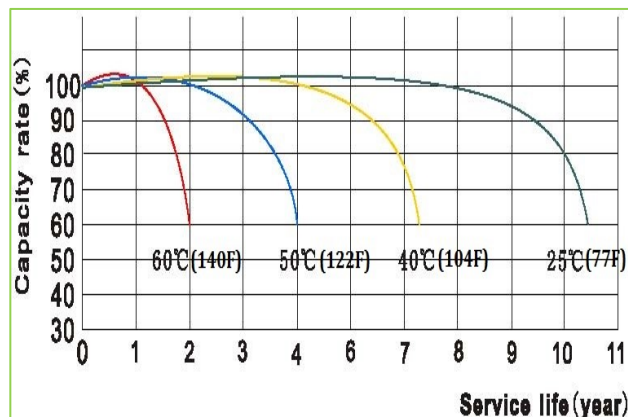
SPECIFICATIONS

Nominal Voltage		2V
Rated Capacity (20 hour rate)		540AH
Dimension	Total Height (with terminals)	335mm
	Height	330mm
	Length	244mm
	Width	175mm
Weight	Approx.	31.0Kg (68.57Lbs)
Capacity (77°F/25°C)	10 hour rate (50A)	500AH
	5 hour rate (86A)	430AH
Internal Resistance (77°F/25°C)	Full Charged Battery	0.35 mΩ
Self-Discharge (77°F/25°C)	After 3 months Storage	95%
	After 6 months storage	85%
	After 12 months storage	80%
Max Discharge Current (77°F/25°C)	5000A(5S)	
Terminal	Standard	F4
	Optional	
Charging (Constant Voltage)	Cycle	2.4V-2.45V (77°F/25°C)
	Float	2.25V-2.30V (77°F/25°C)

CYCLE LIFE GRAPH (25°C/77°F)



TEMPERATURE & FLOAT SERVICE LIFE



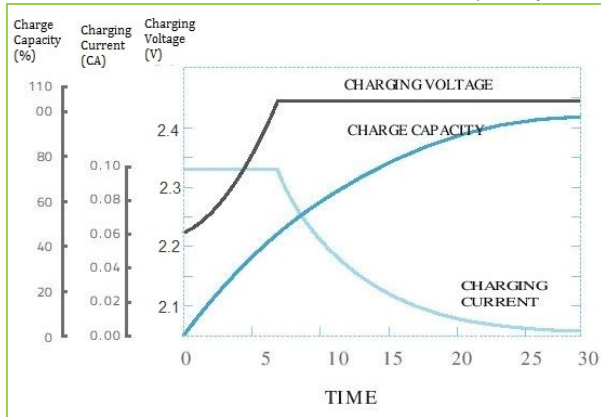
CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNITS AMPERES (25°C/77°F)

End Voltage per cell (V)	Time (Mins)														
	5	15	30	45	60	120	180	240	300	360	480	600	720	1200	1440
1.60	1834.80	971.00	586.70	427.73	344.50	197.38	143.35	112.43	95.89	81.50	62.14	51.74	43.42	28.27	23.09
1.67	1705.20	939.20	578.00	424.80	343.90	196.53	140.75	111.85	94.51	80.93	62.06	51.16	43.35	28.18	23.00
1.70	1687.80	924.80	572.20	419.07	341.05	194.80	139.88	111.26	93.06	80.06	61.85	51.16	43.21	28.09	22.98
1.75	1546.20	895.80	566.50	416.20	335.26	191.04	139.30	109.86	92.20	79.48	61.56	50.58	43.00	27.98	22.95
1.80	1387.20	838.00	543.30	404.60	326.59	188.15	138.73	109.54	91.04	78.61	61.27	50.00	42.78	27.02	22.89
1.83	1326.00	768.80	534.70	390.20	312.15	186.42	133.23	104.91	89.02	75.72	59.97	47.98	41.04	26.74	22.60
1.85	1242.60	745.60	500.00	375.73	303.45	178.90	129.77	103.46	86.71	73.22	59.25	47.40	40.46	26.45	22.40

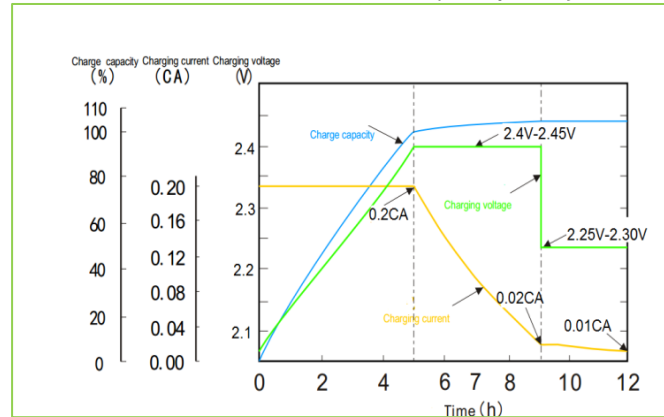
DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C/77°F)

End Voltage per cell (V)	Time (Mins)														
	5	15	30	45	60	120	180	240	300	360	480	600	720	1200	1440
1.60	3065.98	1704.98	1098.12	800.47	643.93	372.78	272.51	215.87	182.35	156.63	120.79	99.99	84.09	56.06	45.95
1.67	2918.65	1678.96	1053.72	794.70	641.78	372.78	269.04	215.58	182.35	156.34	120.79	99.70	84.09	56.06	45.95
1.70	2901.30	1667.39	1051.26	794.70	638.61	369.89	267.48	214.78	179.46	155.18	119.93	98.83	83.23	55.77	45.94
1.75	2701.92	1647.15	1048.52	794.68	635.76	367.00	264.63	214.42	178.88	154.03	119.35	98.16	83.23	55.77	45.66
1.80	2479.46	1563.35	1031.64	780.23	632.87	367.00	261.08	213.84	177.72	154.03	119.06	97.68	83.23	54.33	45.65
1.83	2392.72	1436.21	1022.99	757.12	606.85	364.11	256.82	206.62	175.70	149.11	119.06	94.78	81.78	53.75	45.37
1.85	2216.44	1404.41	950.73	728.26	589.52	355.44	252.86	204.02	170.79	146.22	114.44	93.92	80.33	53.17	45.08

FLOATING CHARGE CHARACTERISTICS (25°C/77°F)

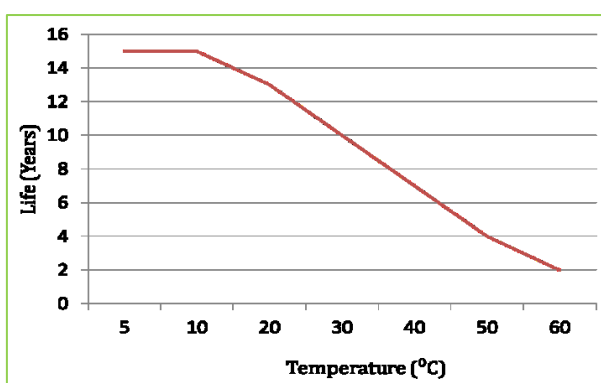


CHARGE CHARACTERISTIC (25°C/77°F)

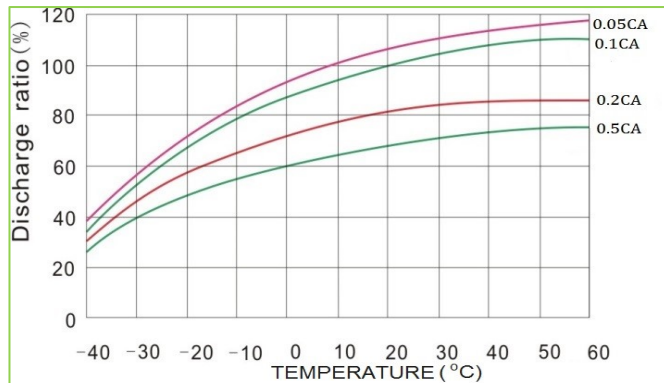


Soneil Chargers Recommended

FLOAT SERVICE LIFE CURVE GRAPH



TEMPERATURE AND DISCHARGE CAPACITY



"Specifications subject to change without notice"

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