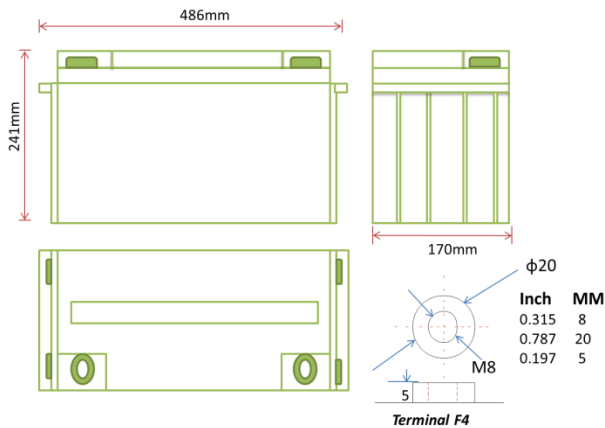


ECO-FRIENDLY ADVANCE TECHNOLOGY BATTERY

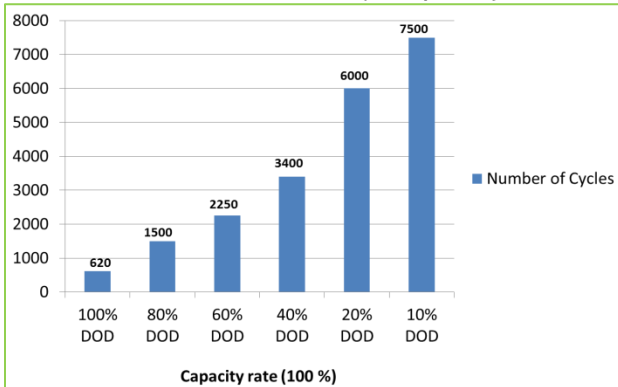


12- EFSL -185, 12V 185 Ah@20HR

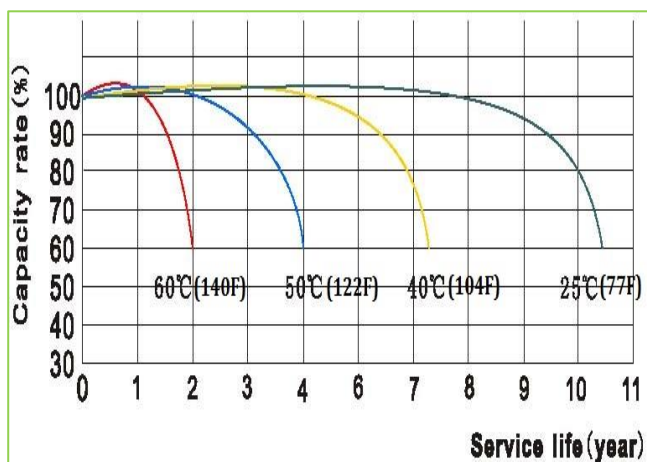
DIMENSION



CYCLE LIFE GRAPH (25°C/77°F)



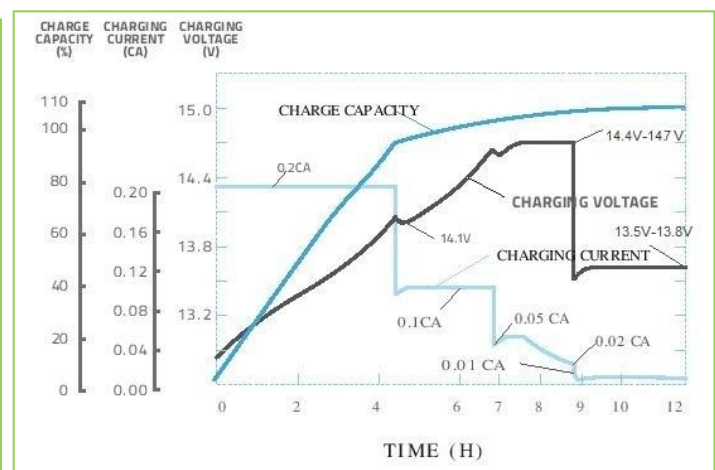
TEMPERATURE & FLOAT SERVICE LIFE



SPECIFICATIONS

Nominal Voltage	12V	
Rated Capacity (20 hour rate)	185AH	
Dimension	Total Height (with terminals)	241 mm (9.48 Inch)
	Height	241 mm (9.48 Inch)
	Length	486 mm (19.1 Inch)
	Width	170mm (6.69 Inch)
Weight	Approx.	50 Kg/110 lbs.
Capacity (77°F/25°C)	10 hour rate (17A)	170AH
	5 hour rate (33A)	165AH
Internal Resistance (77°F/25°C)	Full Charged Battery	≤6.0mΩ
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)	1500A(5S)	
Terminal	Standard	F4
	Optional	
Charging (Constant Voltage)	Cycle	14.5V-14.7V (77°F/25°C)
	Float	13.5V-13.7V (77°F/25°C)

CHARGE CHARACTERISTIC 25°C (77°F)



Soneil Chargers Recommended

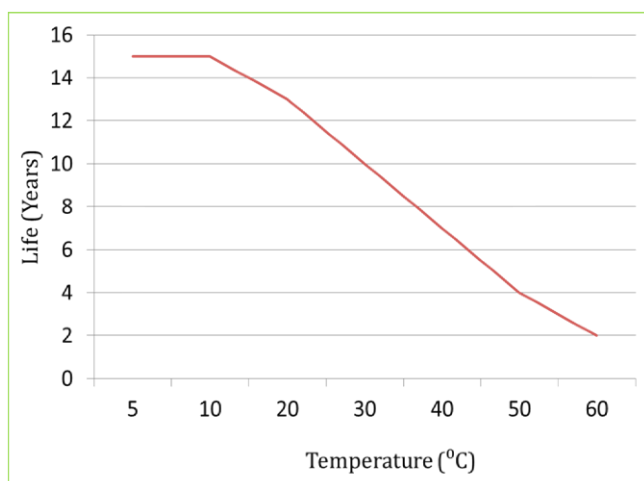
CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNITS AMPERES (25°C/77°F)

End Voltage per cell (V)	Time (Mins)														
	5	15	30	45	60	120	180	240	300	360	480	600	720	1200	1440
1.60	623.83	330.14	199.48	145.43	117.13	67.11	48.74	38.22	32.60	27.71	21.13	17.59	14.76	9.61	7.85
1.67	579.77	319.33	196.52	144.43	116.93	66.82	47.86	38.03	32.13	27.51	21.10	17.39	14.74	9.58	7.82
1.70	573.85	314.43	194.55	142.48	115.96	66.23	47.56	37.83	31.64	27.22	21.03	17.39	14.69	9.55	7.81
1.75	525.71	304.57	192.61	141.51	113.99	64.95	47.36	37.35	31.35	27.02	20.93	17.20	14.62	9.51	7.80
1.80	471.65	284.92	184.72	137.56	111.04	63.97	47.17	37.24	30.95	26.73	20.83	17.00	14.54	9.19	7.78
1.83	450.84	261.39	181.80	132.67	106.13	63.38	45.30	35.67	30.27	25.75	20.39	16.31	13.95	9.09	7.68
1.85	422.48	253.50	170.00	127.75	103.17	60.83	44.12	35.18	29.48	24.89	20.15	16.12	13.76	8.99	7.62

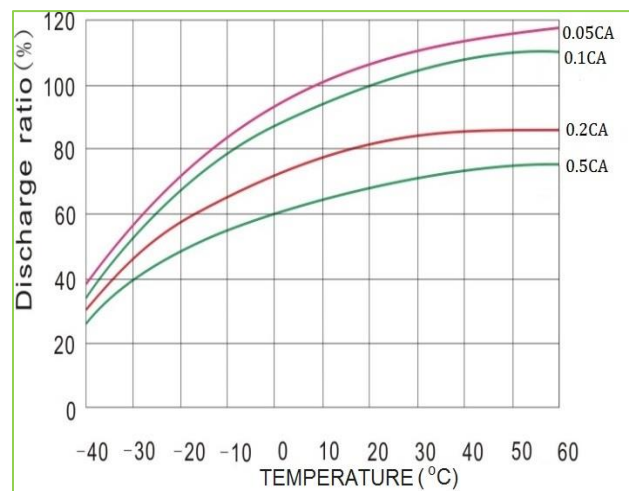
DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C/77°F)

End Voltage per cell (V)	Time (Mins)														
	5	15	30	45	60	120	180	240	300	360	480	600	720	1200	1440
1.60	1042.43	579.69	373.36	272.16	218.94	126.75	92.65	73.39	62.00	53.25	41.07	34.00	28.59	19.06	15.62
1.67	992.34	570.84	358.26	270.20	218.21	126.75	91.47	73.30	62.00	53.16	41.07	33.90	28.59	19.06	15.62
1.70	986.44	566.91	357.43	270.20	217.13	125.76	90.94	73.03	61.02	52.76	40.78	33.60	28.30	18.96	15.62
1.75	918.65	560.03	356.50	270.19	216.16	124.78	89.98	72.90	60.82	52.37	40.58	33.38	28.30	18.96	15.52
1.80	843.02	531.54	350.76	265.28	215.17	124.78	88.77	72.71	60.43	52.37	40.48	33.21	28.30	18.47	15.52
1.83	813.53	488.31	347.82	257.42	206.33	123.80	87.32	70.25	59.74	50.70	40.48	32.23	27.81	18.28	15.43
1.85	753.59	477.50	323.25	247.61	200.44	120.85	85.97	69.37	58.07	49.72	38.91	31.93	27.31	18.08	15.33

FLOAT SERVICE LIFE CURVE GRAPH



TEMPERATURE AND DISCHARGE CAPACITY



“Specifications subject to change without notice “

Domestic & International Sales: Tel: +1 905 565 0360 Fax: +1 905 799 6821, Email: info@soneil.com

Corporate Office: 180 Advance Blvd, Unit 3, Brampton, Ontario, Canada L6T 4J4



www.soneil.com