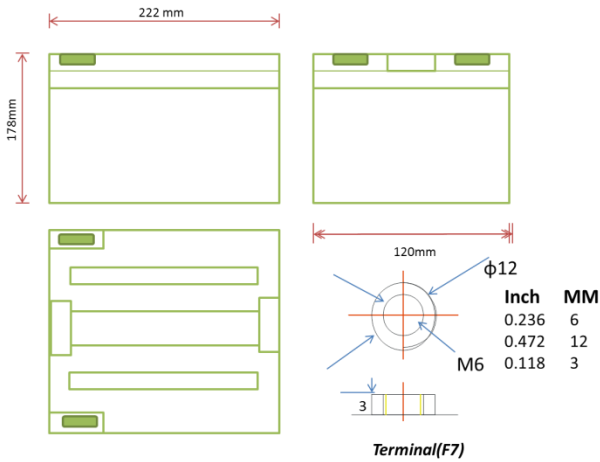


ECO-FRIENDLY ADVANCE TECHNOLOGY BATTERY

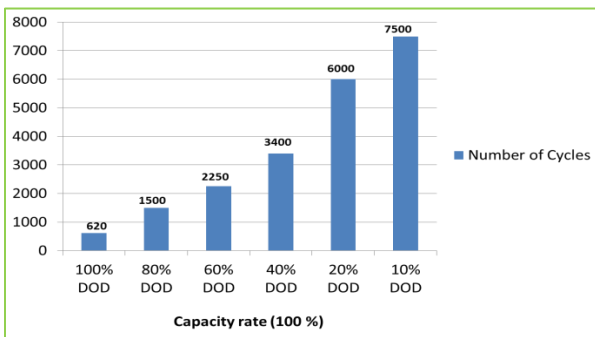


12- EFSL -50, 12V 50Ah@20HR

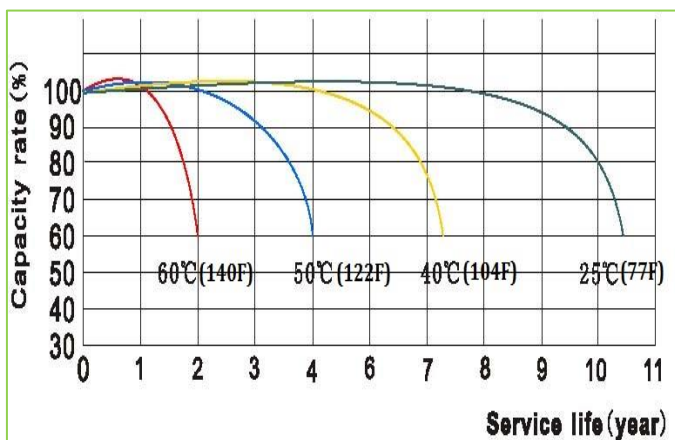
DIMENSION



CYCLE LIFE GRAPH (25°C/77°F)



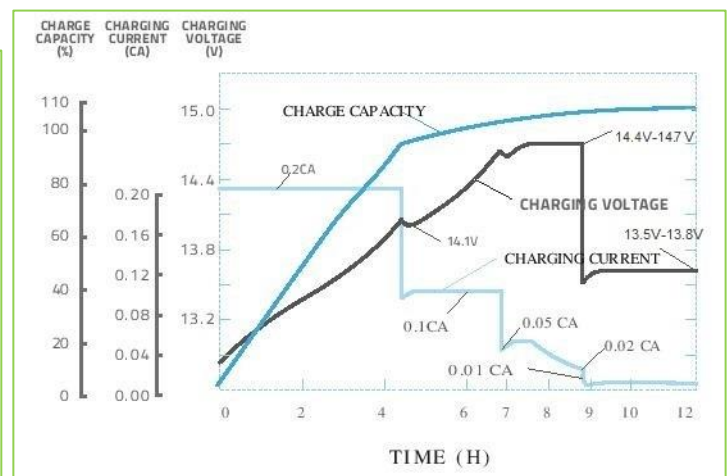
TEMPERATURE & FLOAT SERVICE LIFE



SPECIFICATIONS

Nominal Voltage		12V
Rated Capacity (20 hour rate)		49.1AH
Dimension	Total Height (with terminals)	178 mm
	Height	175mm
	Length	222mm
	Width	120mm
Weight	Approx.	12.5 Kg/27.5 lbs.
Capacity (77°F/25°C)	10 hour rate (4.5A)	45AH
	5 hour rate (8.4A)	42AH
Internal Resistance (77°F/25°C)	Full Charged Battery	≤8mΩ
	After 3 months Storage	95%
	After 6 months storage	85%
Self-Discharge (77°F/25°C)	After 12 months storage	80%
	Max Discharge Current (77°F/25°C)	400A(5S)
Terminal	Standard	F7
	Optional	
Charging (Constant Voltage)	Cycle	14.4V-14.7V (77°F/25°C)
	Float	13.5V-13.8V (77°F/25°C)

CHARGE CHARACTERISTIC 25°C (77°F)



Soneil Chargers Recommended

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

Time (Mins)

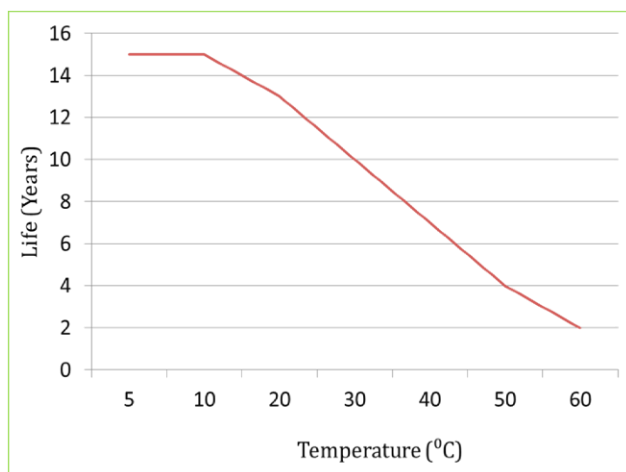
End Voltage per cell(V)	5	15	30	45	60	120	180	240	300	360	480	600	720	1200	1440
1.60	165.13	87.39	52.80	38.50	31.01	17.76	12.90	10.12	8.63	7.34	5.59	4.66	3.91	2.54	2.08
1.67	153.47	84.53	52.02	38.23	30.95	17.69	12.67	10.07	8.51	7.28	5.59	4.60	3.90	2.54	2.07
1.70	151.90	83.23	51.50	37.72	30.69	17.53	12.59	10.01	8.38	7.21	5.57	4.60	3.89	2.53	2.07
1.75	139.16	80.62	50.99	37.46	30.17	17.19	12.54	9.89	8.30	7.15	5.54	4.55	3.87	2.52	2.07
1.80	124.85	75.42	48.90	36.41	29.39	16.93	12.49	9.86	8.19	7.08	5.51	4.50	3.85	2.43	2.06
1.83	119.34	69.19	48.12	35.12	28.09	16.78	11.99	9.44	8.01	6.82	5.40	4.32	3.69	2.41	2.03
1.85	111.83	67.10	45.00	33.82	27.31	16.10	11.68	9.31	7.80	6.59	5.33	4.27	3.64	2.38	2.02

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

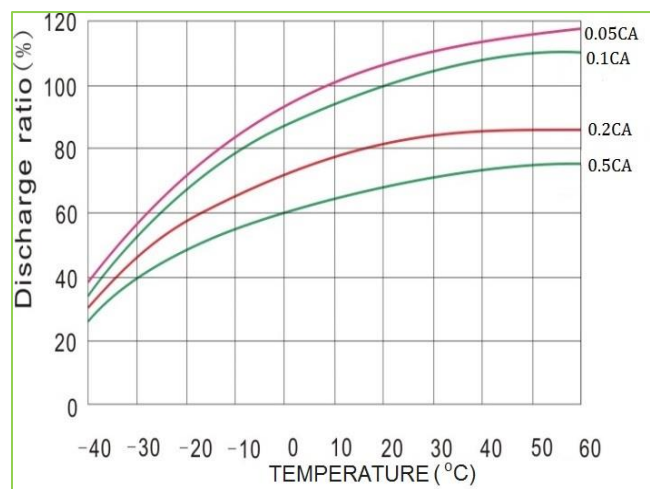
Time (Mins)

End Voltage per cell(V)	5	15	30	45	60	120	180	240	300	360	480	600	720	1200	1440
1.60	275.94	153.45	98.83	72.04	57.95	33.55	24.53	19.43	16.41	14.10	10.87	9.00	7.57	5.05	4.14
1.67	262.68	151.11	94.83	71.52	57.76	33.55	24.21	19.40	16.41	14.07	10.87	8.97	7.57	5.05	4.14
1.70	261.12	150.07	94.61	71.52	57.47	33.29	24.07	19.33	16.15	13.97	10.79	8.89	7.49	5.02	4.13
1.75	243.17	148.24	94.37	71.52	57.22	33.03	23.82	19.30	16.10	13.86	10.74	8.83	7.49	5.02	4.11
1.80	223.15	140.70	92.85	70.22	56.96	33.03	23.50	19.25	15.99	13.86	10.72	8.79	7.49	4.89	4.11
1.83	215.35	129.26	92.07	68.14	54.62	32.77	23.11	18.60	15.81	13.42	10.72	8.53	7.36	4.84	4.08
1.85	199.48	126.40	85.57	65.54	53.06	31.99	22.76	18.36	15.37	13.16	10.30	8.45	7.23	4.79	4.06

FLOAT SERVICE LIFE CURVE GRAPH



TEMPERATURE AND DISCHARGE CAPACITY



“Specifications subject to change without notice “

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