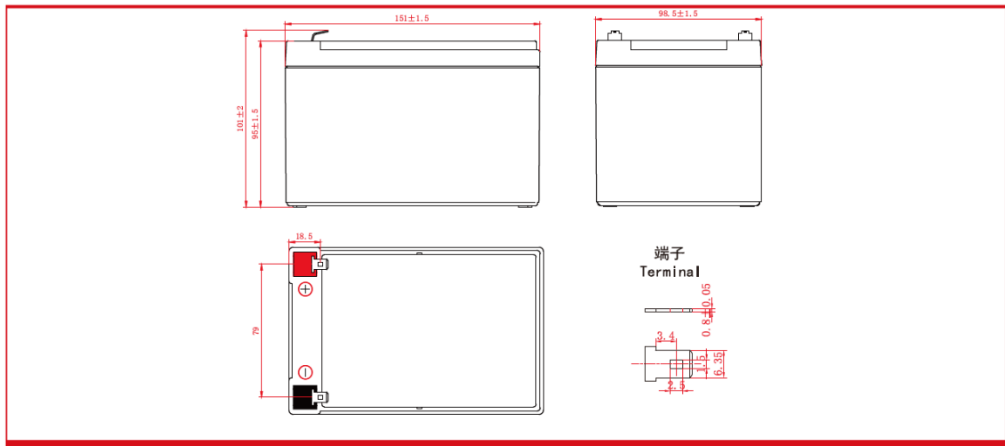




Maxlink batteries use high purity raw materials and low density electrolyte to make the batteries have good cycle performance and low self-discharge rate. It is suitable for UPS, solar & wind energy, telecom system, electric power system.

Cells per unit:	6
Voltage per unit:	12
Capacity:	12Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
Weight:	Approx. 3.45kg
Maximum discharge current:	180A (5sec)
Internal resistance:	Approx. 15 mΩ
Operating temperature range:	Discharge -15°C ~ 50°C Charge -15°C ~ 40°C Storage -15°C ~ 40°C
Nominal operating temp. range:	25°C +/- 3°C
Float charging voltage:	13.5 to 13.8VDC / unit, average at 25°C
Recommended max. charging current limit:	3.6A
Equalization and cycle service:	14.4 to 15VDC / unit, average at 25°C
Self discharge:	Can be stored for more than 6 months at 25°C, please charge batteries before using.
Connector:	2x Faston F2
Battery Dimensions:	95 x 151 x 98 mm +/- 2mm



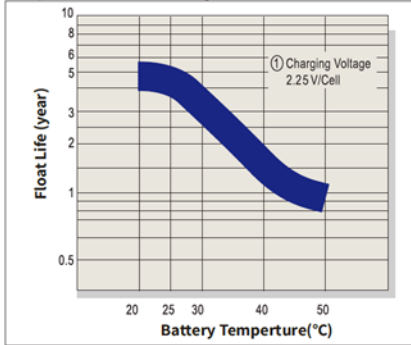
(A)25°C Constant Current Discharge

FV/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	39.5	22.2	12.8	7.33	3.03	2.09	1.14	0.613
1.67V	38.8	21.8	12.6	7.11	3.01	2.20	1.14	0.609
1.70V	37.5	21.0	12.5	7.03	2.99	2.16	1.13	0.606
1.75V	35.6	20.1	12.2	6.89	2.97	2.10	1.12	0.600
1.80V	31.9	18.6	11.7	6.72	2.86	2.03	1.09	0.587
1.85V	24.9	15.7	10.9	6.50	2.66	1.96	1.03	0.565

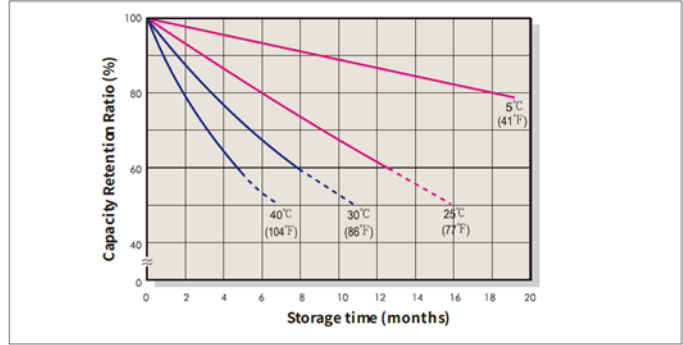
(W/cell)25°C Constant Power Discharge

FV/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	82.4	52.6	30.4	16.5	7.38	4.92	2.78	1.50
1.67V	78.6	49.9	30.2	16.4	7.36	4.90	2.76	1.50
1.70V	73.4	46.5	29.9	16.2	7.29	4.85	2.76	1.49
1.75V	66.3	42.6	29.3	15.9	7.20	4.76	2.71	1.47
1.80V	57.0	37.6	28.2	15.4	6.97	4.60	2.64	1.44
1.85V	44.2	31.7	26.1	14.3	6.52	4.35	2.53	1.39

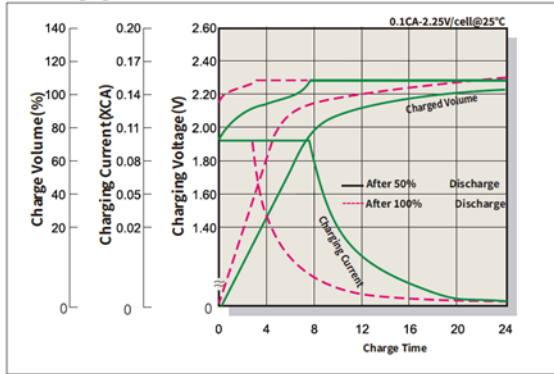
Temperature Effects on Long Term Float Life



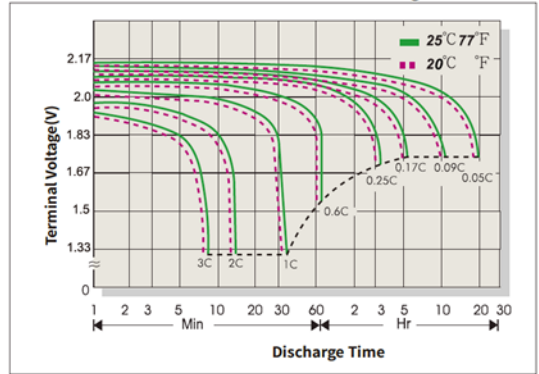
The effect of temperature on capacity



Float Charging Characteristics



Discharge Characteristics



The effect of temperature on capacity(20HR)

Temperature	Capacity(20HR)
40°C	102%
25°C	100%
0°C	85%
-15°C	65%

Self-discharge characteristics

Storage time	The remaining capacity
3 months	91%
6 months	82%
12 months	64%