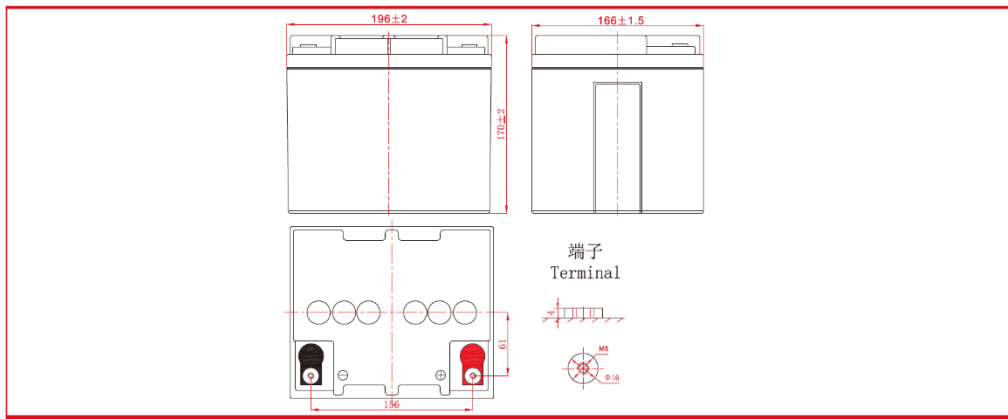




Maxlink batteries use high purity raw materials and low density electrolyte to make the batteries have good cycle performance and low self-discharge rate. It is suitable for UPS, solar & wind energy, telecom system, electric power system.

Cells per unit:	6
Voltage per unit:	12
Capacity:	45Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
Weight:	Approx. 13.4kg
Maximum discharge current:	400A (5sec)
Internal resistance:	Approx. 8 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:	11.3A
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 M6
Battery Dimensions:	170 x 196 x 166 mm +/- 2mm



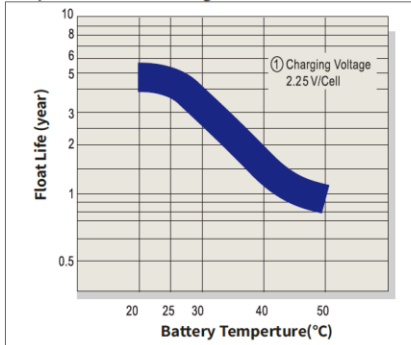
**(A) 25°C Constant Current Discharge**

F.V/Time	10min	15min	30min	1h	2h	3h	5h	10h	20h
1.60V	89.8	71.1	48.2	28.8	18.0	12.2	8.07	4.61	2.46
1.67V	87.3	69.3	47.3	28.4	17.8	12.0	8.02	4.60	2.45
1.70V	85.6	68.0	46.7	28.0	17.6	11.9	7.97	4.60	2.44
1.75V	80.8	64.4	45.0	27.1	17.0	11.7	7.85	4.57	2.42
1.80V	73.9	60.0	43.0	26.0	16.3	11.3	7.63	4.50	2.39
1.85V	64.1	52.8	40.4	24.1	15.1	10.4	7.09	4.32	2.31

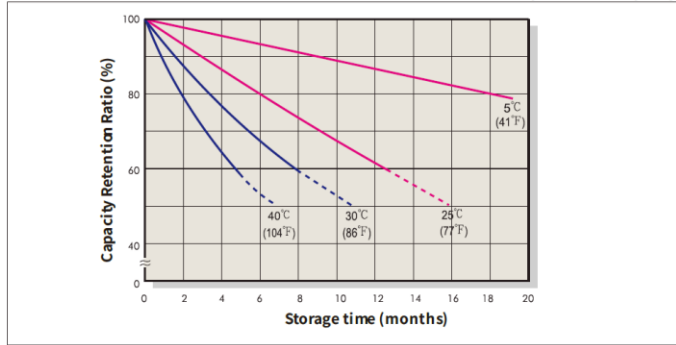
**(W/cell) 25°C Constant Power Discharge**

F.V/Time	10min	15min	30min	1h	2h	3h	5h	10h	20h
1.60V	162	135	83.2	50.5	31.8	22.0	14.6	8.40	4.48
1.67V	153	128	81.8	49.8	31.4	21.8	14.5	8.37	4.46
1.70V	147	123	80.9	49.5	31.1	21.6	14.5	8.36	4.45
1.75V	133	111	78.3	48.5	30.5	21.2	14.3	8.31	4.40
1.80V	117	98.2	74.7	46.8	29.4	20.5	13.9	8.20	4.35
1.85V	95.4	81.3	69.9	44.2	27.8	19.0	13.1	7.92	4.23

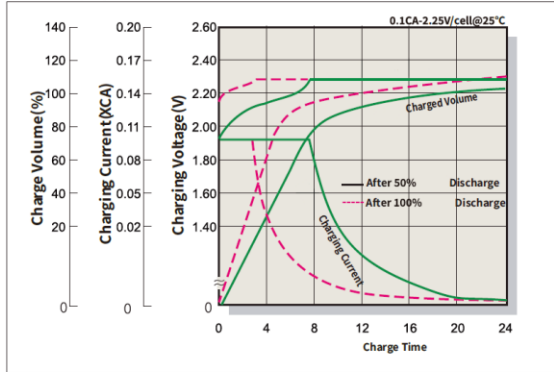
Temperature Effects on Long Term Float Life



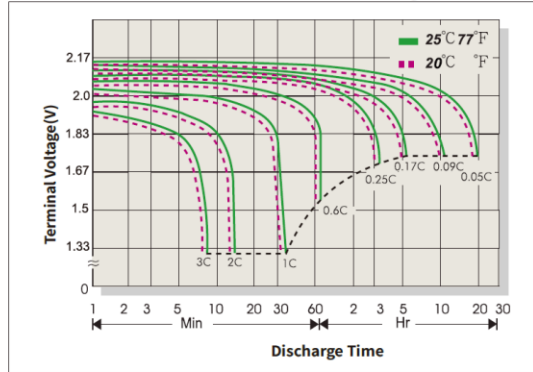
The effect of temperature on capacity



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%