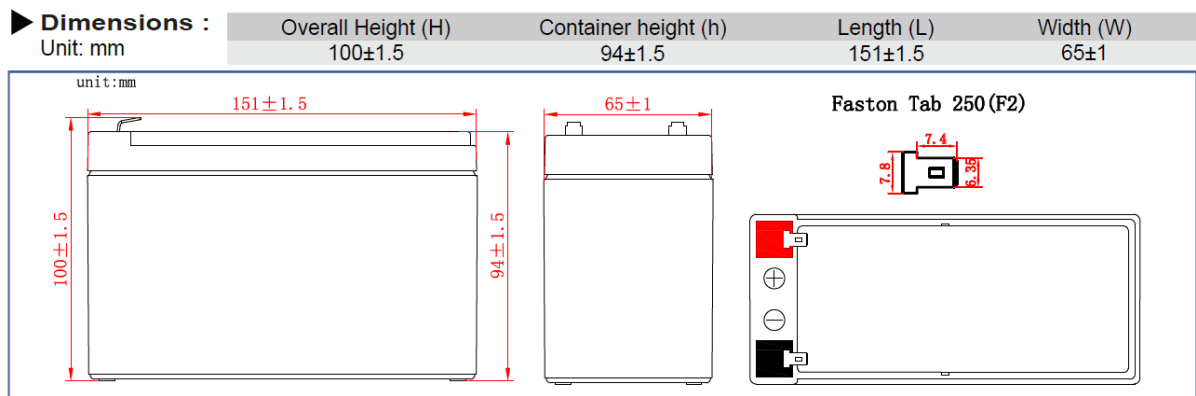




Maxlink batteries use high purity raw materials and low density electrolyte to make the batteries have good cycle performance and low self-discharge rate. It is suitable for UPS, solar & wind energy, telecom system, electric power system.

Cells per unit:	6
Voltage per unit:	12
Capacity:	7.2Ah @ 20hr-rate to 1.75V per cell @25°C (77°F)
Weight:	Approx. 2.1kg
Maximum discharge current:	95A (5sec)
Internal resistance:	Approx. 35 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:	2.1A
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:	100 x 151 x 65 mm +/- 1.5mm





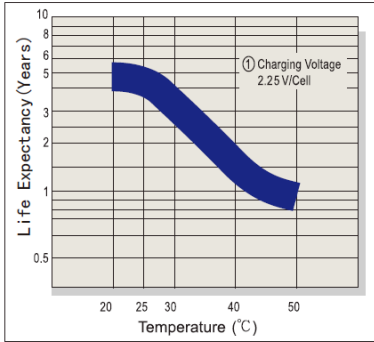
**Constant Current Discharge Characteristics Unit: A (25°C,77°F)**

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	22.5	11.7	7.5	4.34	1.77	1.20	0.681	0.365
1.67V	22.1	11.4	7.4	4.30	1.76	1.19	0.679	0.364
1.7V	21.8	11.2	7.2	4.26	1.74	1.19	0.676	0.363
1.75V	20.7	10.7	6.9	4.16	1.72	1.17	0.670	0.360
1.8V	18.6	9.8	6.4	3.96	1.65	1.13	0.656	0.353
1.85V	14.4	8.3	5.7	3.62	1.51	1.05	0.619	0.338

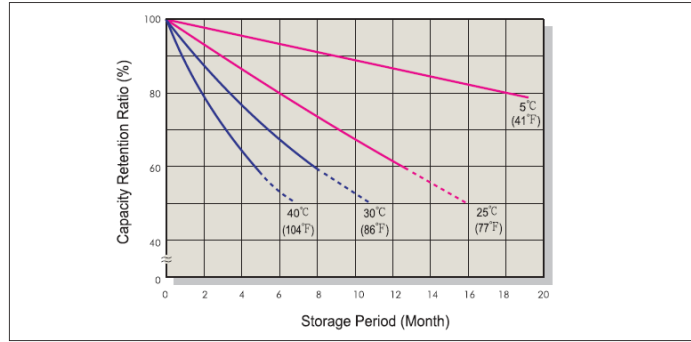
**Constant Power Discharge Characteristics Unit: W (25°C,77°F)**

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	34.0	21.1	13.1	8.26	3.48	2.30	1.340	0.723
1.67V	32.4	20.1	12.9	8.20	3.46	2.29	1.335	0.722
1.7V	31.4	19.4	12.6	8.14	3.43	2.28	1.329	0.720
1.75V	28.7	17.9	12.2	8.02	3.38	2.25	1.314	0.715
1.8V	24.7	16.0	11.3	7.76	3.26	2.17	1.288	0.701
1.85V	20.2	14.1	10.2	7.20	3.00	2.05	1.224	0.674

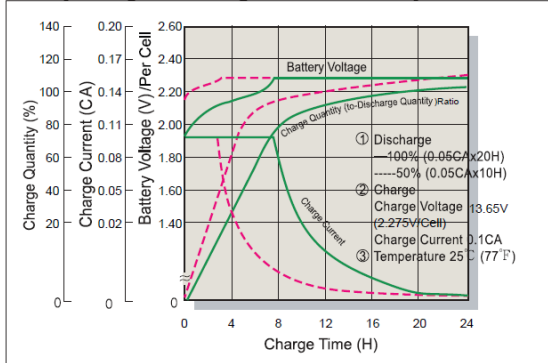
**Trickle(or Float)Design Life**



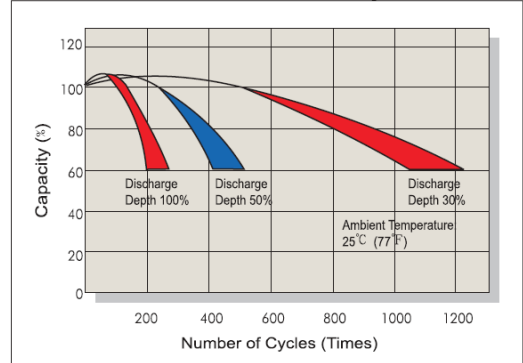
**Capacity Retention Characteristic**



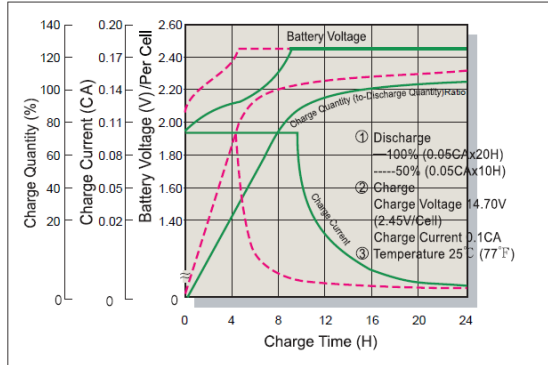
**Battery Voltage and Charge Time for Standby Use**



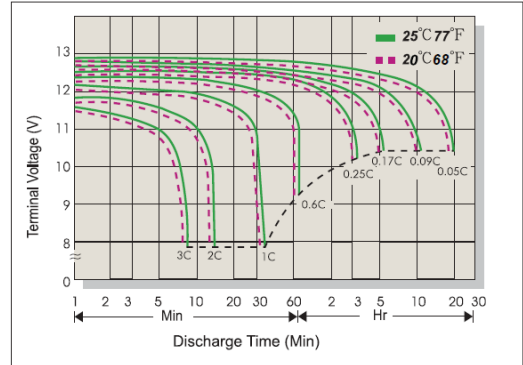
**Cycle Service Life**



**Battery Voltage and Charge Time for Cycle Use**



**Terminal Voltage (V) and Discharge Time**





Valve regulated Lead-Acid AGM battery Maxlink 7,2Ah

**Charging Procedures**

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25 °C (77 °F)	2.45	2.40~2.50	0.3C
Standby	25 °C (77 °F)	2.275	2.25~2.30	

**Discharge Current VS. Discharge Voltage**

Final Discharge Voltage V/Cell	1.75	1.70	1.65	1.60
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

**Effect of temperature on capacity (20HR)**

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

**Self-discharge Characteristics**

Storage time	Preservation rate
3 Months	91%
6 Months	82%
12 Months	64%