

MT121000S having its design life of 12 years @ 20 degree Celsius for floating application and around 1800 cycles for 30% depth of discharge for cyclic application.

As our product were all rechargeable , highly efficient, maintenance free & leakage proof usable in all positions and it meets the standards of JISC, BS, DIN, IEC etc.

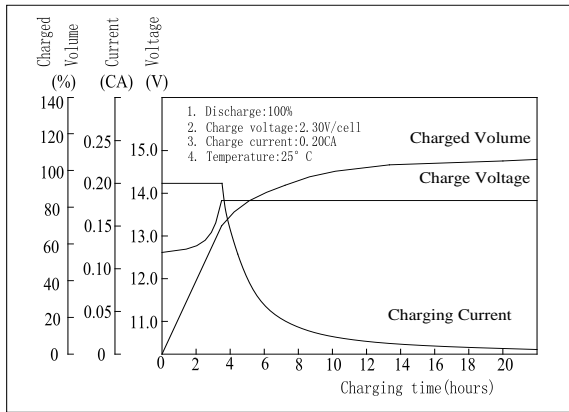
We're ISO9001certified &UL approved as well as CE

Our containers were all ABS resin and grades were : UL94-HB, UL94V-0 & UL94V-2 (flame retardant types could be arranged).

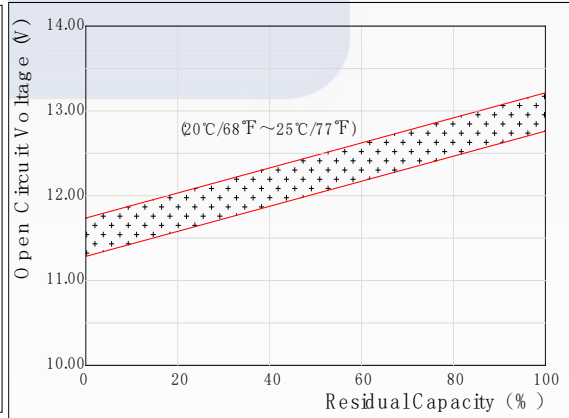
Specification

Nominal voltage	12 volts
Capacity	100 ampere hours @20°C, 20 hours rated (cut off voltage 1.80V/cell)
Dimension	L: 306 mm W: 169 mm H: 211 mm TH: 233 mm
Weight approx.	27.5 kg or 60.6 pounds
Internal resistance	Approx. 5 mΩ
Self-discharge rate	Approx. 3% per month @ 25 degree Celsius
Operation temperature range	Discharged: -15 to 60 degree Celsius
	Charging: 5 to 65 degree Celsius
	Storage: 0 degree to 60 degree Celsius
Floating charge voltage	13.60 to 13.80 volts (-15mv / degree Celsius)
Cyclic charging voltage	14.50 to14.90 volts (-20mv / degree Celsius)
Maximum charging current	30 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper--T5/T9
Container material	General ABS resin

Charging Characteristics(25°C)



Open Circuit Voltage vs Residual Capacity (25°C)



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	300	201	157	99.2	60.2	24.7	17.4	9.69	5.09
10.20V	285	190	150	95.2	57.7	24.3	17.1	9.61	5.05
10.80V	268	178	143	90.5	54.8	23.8	16.8	9.50	5.00

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	3157	2165	1729	1114	685	290	206	115	61.0
10.20V	2999	2057	1660	1069	658	286	203	114	60.5
10.80V	2820	1933	1577	1016	625	280	198	114	60.2