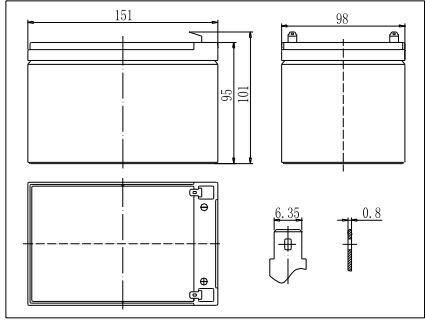
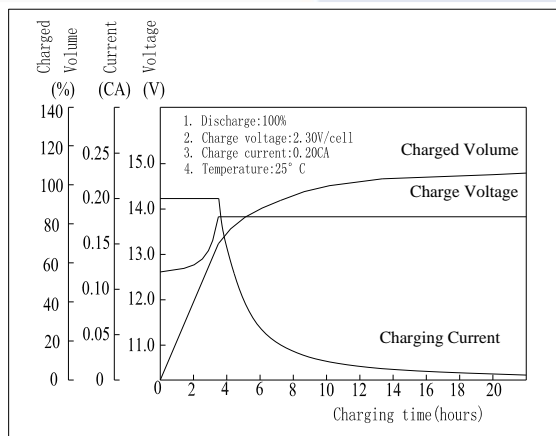


MT12120HR 12 volts 12Ah 	MT12120HR having its design life of 8 years @ 20 degree Celsius for floating
	application and around 1500 cycles for 30% depth of discharge for cyclic
	application.
	As our product were all rechargeable , highly efficient, maintenance free &
	leakage proof usable in all positions 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).

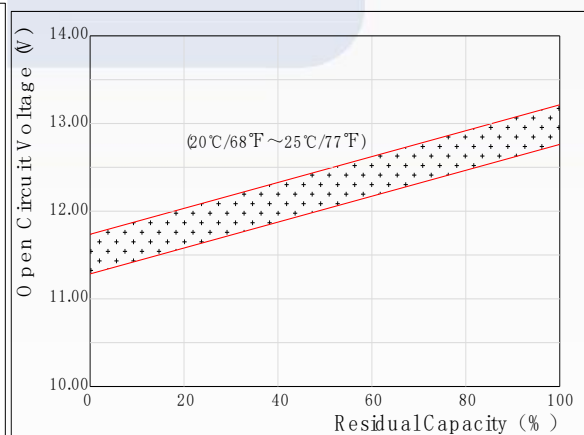
## Specification

Nominal voltage	12 volts
Capacity	12 ampere hours @20°C, 20 hours rated (cut off voltage 1.75V/cell)
Dimension	L: 151 mm W: 98 mm H: 95 mm TH: 101 mm
Weight approx.	3.45 kg or 7.61 pounds
Internal resistance	Approx. 19 m Ω
Self-discharge rate	Approx. 3% per month @ 25 degree Celsius
Operation temperature range	Discharged: -20 to 60 degree Celsius
	Charging: 0 to 65 degree Celsius
	Storage: -20 degree to 60 degree Celsius
Floating charge voltage	13.60 to 13.80 volts (-15mv / degree Celsius )
Cyclic charging voltage	14.50 to 14.90 volts (-20mv / degree Celsius)
Maximum charging current	3.6 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper –T2
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	46.2	31.1	24.6	13.5	7.84	3.19	2.09	1.13	0.60
10.2V	43.9	29.6	23.6	13.0	7.53	3.14	2.06	1.12	0.60
10.8V	41.2	27.8	22.4	12.3	7.15	3.08	2.02	1.11	0.60

## Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	515	351	280	155	90.7	37.7	25.1	13.4	7.20
10.2V	490	333	269	149	87.1	37.2	24.6	13.3	7.14
10.8V	460	313	256	141	82.8	36.4	24.1	13.3	7.14