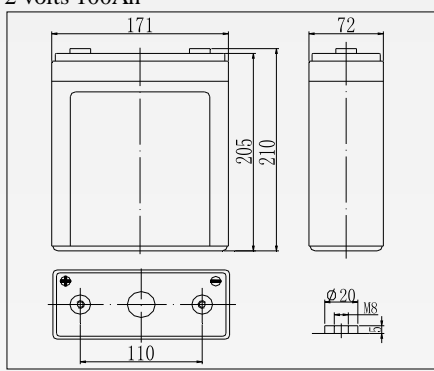


MT21000(2V100Ah)

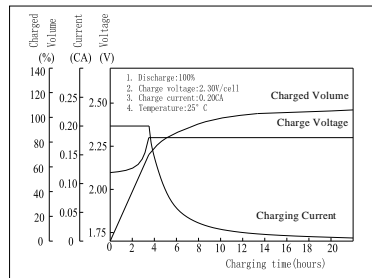
Valve Regulated Lead Acid Battery

<p>MT21000 2 volts 100Ah</p> 	MT21000 having its design life of 20 years @ 20 degree Celsius for floating
	application and around 1200 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).

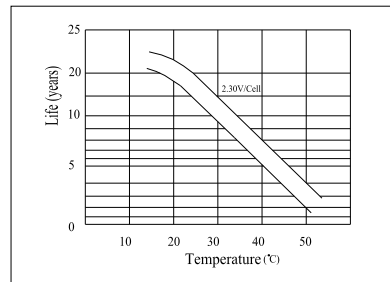
Specification

Nominal voltage	2 volts
Capacity	100 ampere hours @20°C, 10 hours rated (cut off voltage 1.80V/cell)
Dimension	L: 171 mm W: 72 mm H: 205 mm TH: 210 mm
Weight approx.	5.8 kg or 12.8 pounds
Internal resistance	Approx. 0.90m Ω
Self-discharge rate	Approx. less than 3% per month @ 25 degree Celsius
Operation temperature range	Discharged: -15 to 50 degree Celsius (5 to 122 degree F)
	Charging: 5 to 35 degree Celsius (41 to 95 degree F)
	Storage: 0 degree to 40 degree Celsius (32 to 104 degree F)
Floating charge voltage	2.25 to 2.30 volts (-15mv / degree Celsius)
Cyclic charging voltage	2.42 to 2.48 volts (-20mv / degree Celsius)
Maximum charging current	20 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper T10
Container material	General ABS resin

Charging Characteristics (25°C)



Temperature Affects On Floating Life



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.60V	310	210	165	105	65.0	26.4	18.8	10.2	5.38
1.70V	295	200	158	101	62.4	26.0	18.5	10.1	5.33
1.80V	277	188	150	95.8	59.3	25.5	18.1	10.0	5.30

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
1.60V	543	378	302	196	124	51.1	37.0	20.2	10.8
1.70V	515	359	290	188	119	51.0	36.4	20.1	10.7
1.80V	484	338	275	179	113	49.8	35.7	20.0	10.6