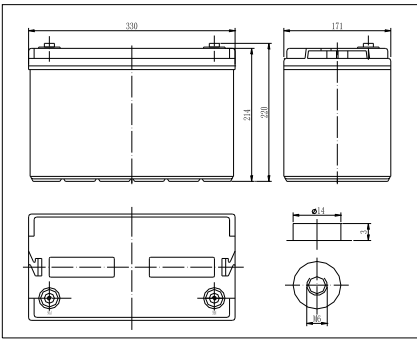


# MT121000G (12V100AH) GEL TYPE

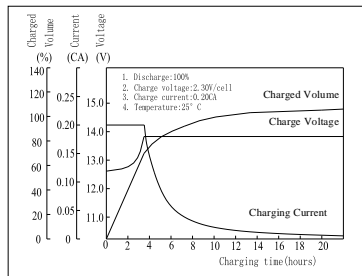
## Valve Regulated Lead Acid Battery

<p>MT121000G 12 volts 100Ah</p> 	MT121000G having its design life of 12 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).	

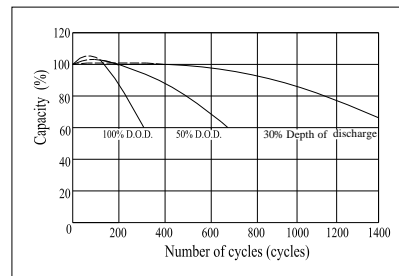
### Specification

Nominal voltage	12 volts
Capacity	100 ampere hours @20°C, 10 hours rated (cut off voltage 1.80V/cell)
Dimension	L: 330 mm W: 171 mm H: 214 mm TH: 224 mm
Weight approx.	31.5 kg or 69.5 pounds
Internal resistance	Approx. 5 mΩ
Self-discharge rate	Approx. 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	13.50 to 13.80 volts (-15mv / degree Celsius)
Cyclic charging voltage	14.10 to 14.40 volts (-20mv / degree Celsius)
Maximum charging current	25 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper
Container material	General ABS resin

### Charging Characteristics(25°C)



### Cycle Life(25°C)



### Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	217	165	152	98.4	62.3	24.5	16.6	10.2	5.26
10.20V	206	157	146	94.5	59.8	24.1	16.4	10.1	5.21
10.80V	193	147	139	89.8	56.7	23.6	16.1	10.0	5.18

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

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	2279	1790	1677	1105	710	287	197	121	63.0
10.20V	2165	1701	1610	1061	682	283	194	120	62.5
10.80V	2035	1598	1529	1008	648	278	190	119	62.1