

## Valve Regulated Lead Acid Battery

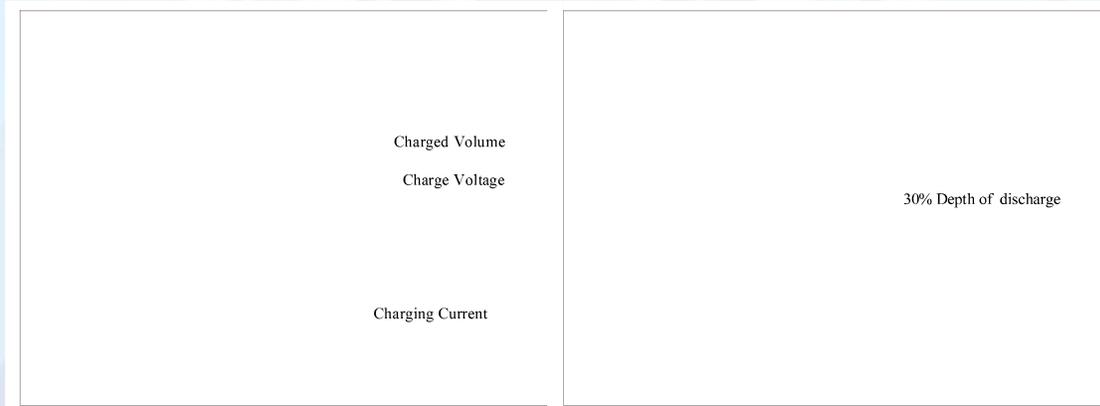
<p>MT6120 6 volts 12Ah</p>	MT6120 having its design life of 5 years @ 20 degree Celsius for floating
	application and around 1200 cycles for 30% depth of discharge for cyclic application.
	As our product were all rechargeable , highly efficient, maintenance free &
	leakage proof usable in all positions and it meets the standards of JISC, BS, DIN, IEC etc.
	We're ISO9001 certified & 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	6 volts
Capacity	12 ampere hours @25°C, 20 hours rated (cut off voltage 1.75V/cell)
Dimension	L: 151 mm W: 50 mm H: 94 mm TH: 100 mm
Weight approx.	1.82 kg or 4.01 pounds
Internal resistance	Approx. 11 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	6.80 to 6.90 volts (-9mv / degree Celsius)
Cyclic charging voltage	7.25 to 7.45 volts (-12mv / degree Celsius)
Maximum charging current	3.6 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper-- T1/T2
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
4.80V	46.2	31.1	24.6	13.5	7.84	3.20	2.10	1.15	0.61
5.10V	43.9	29.6	23.4	13.0	7.53	3.14	2.06	1.14	0.61
5.40V	41.2	27.8	22.0	12.3	7.15	3.05	2.01	1.11	0.59

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

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
4.80V	258	175	140	77.6	45.4	18.9	12.5	6.87	3.68
5.10V	245	166	133	74.8	43.6	18.5	12.2	6.81	3.68
5.40V	230	156	125	70.8	41.3	18.0	11.9	6.63	3.56