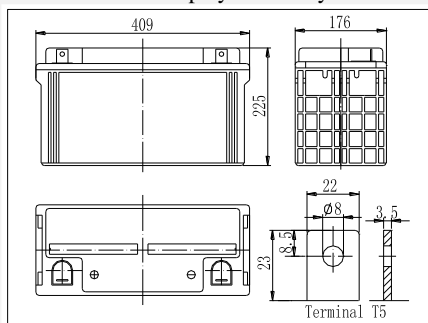


Valve Regulated Lead Acid Battery

MT121200D
12 volts 120Ah deep cycle battery



MT121200D having its design life of 12 years @ 20 degree Celsius for floating application and around 2000 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.

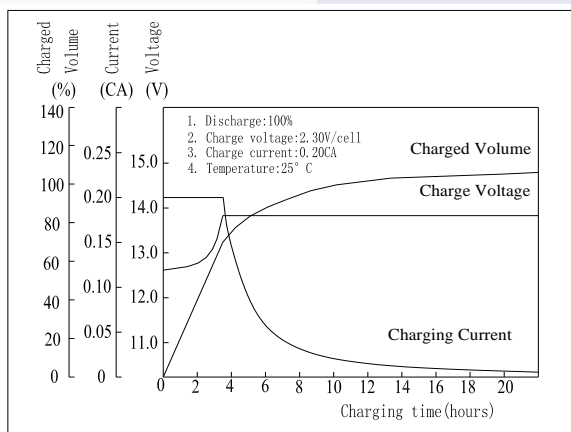
We're ISO9001certified &UL approved as well as CE

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

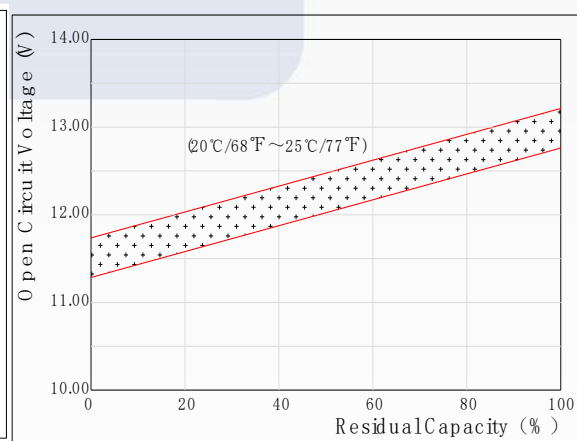
Specification

Nominal voltage	12 volts
Capacity	120 ampere hours @20°C, 10 hours rated (cut off voltage 1.80V/cell)
Dimension	L: 409 mm W: 176 mm H: 225 mm TH: 225 mm
Weight approx.	34.9 kg or 76.9 pounds
Internal resistance	Approx. 4 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	13.50 to 13.80 volts (-15mv / degree Celsius)
Cyclic charging voltage	14.50 to 14.90 volts (-20mv / degree Celsius)
Maximum charging current	36 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper - T5/T11
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	371	251	211	130	78.3	31.1	22.0	12.2	6.38
10.20V	353	239	203	125	75.2	30.6	21.7	12.1	6.38
10.80V	332	225	192	119	71.5	30.0	21.3	12.0	6.23

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	3904	2713	2317	1466	893	366	260	145	76.5
10.20V	3714	2582	2229	1410	858	360	256	144	76.5
10.80V	3493	2431	2118	1341	816	353	252	144	74.7