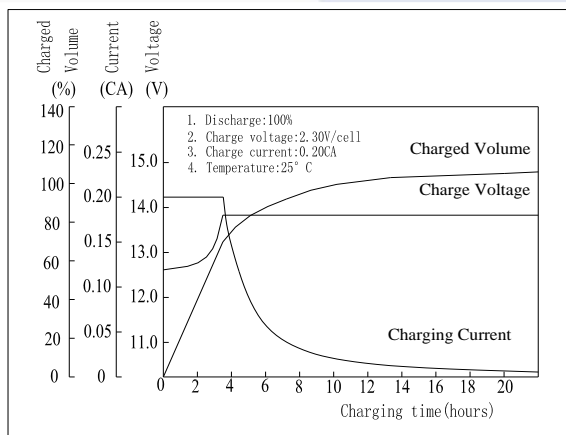


MT12550HR 12 volts 55Ah 	MT12550HR having its design life of 12 years @ 20 degree Celsius for floating
	application and around 1800 cycles for 30% depth of discharge for cyclic
	application.
	As our product were all rechargeable , highly efficient, maintenance free &
	leakage proof usable in all positions 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).	

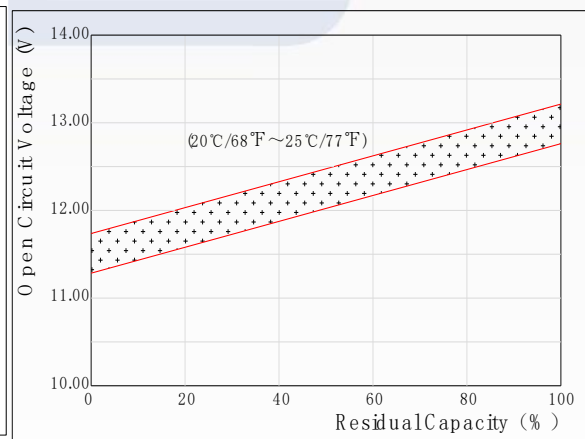
## Specification

Nominal voltage	12 volts
Capacity	55 ampere hours @20°C, 10 hours rated (cut off voltage 1.80V/cell)
Dimension	L: 229 mm W: 138 mm H: 208 mm TH: 211 mm
Weight approx.	16.5 kg or 36.4 pounds
Internal resistance	Approx. 6.5 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	16.5 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Insert type Copper T9
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	180	130	100	62.3	36.1	14.7	10.0	5.61	2.90
10.20V	171	124	96.4	59.8	34.7	14.5	9.95	5.56	2.89
10.80V	161	116	91.6	56.7	32.9	14.2	9.75	5.53	2.86

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

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	1899	1411	1103	699	412	173	118	66.9	34.8
10.20V	1804	1340	1059	671	395	171	117	66.3	34.7
10.80V	1696	1260	1006	637	375	167	115	66.0	34.3