



**mtek**

**MT121550G(12V155AH) GEL TYPE**



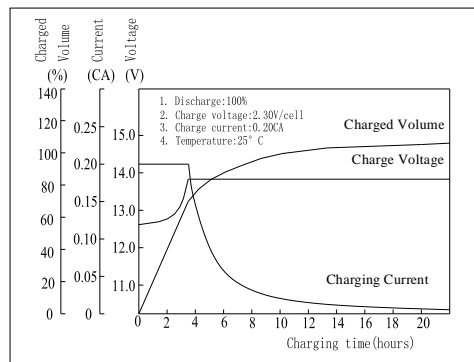
**Valve Regulated Lead Acid Battery**

<p>MT121550G 12 volts 155Ah</p>	<p>MT121550G having its design life of 12 years @ 20 degree Celsius for floating</p>
	<p>application and around 2000 cycles for 30% depth of discharge for cyclic</p>
	<p>application.</p>
	<p>As our product were all rechargeable , highly efficient, maintenance free &amp;</p>
	<p>leakage proof usable in all positions and it meets the standards of JISC, BS,</p>
	<p>DIN, IEC etc.</p>
<p>We're ISO9001certified &amp;UL approved as well as CE</p>	
<p>Our containers were all ABS resin and grades were : UL94-HB, UL94V-0 &amp;</p>	
<p>UL94V-2 (flame retardant types could be arranged).</p>	

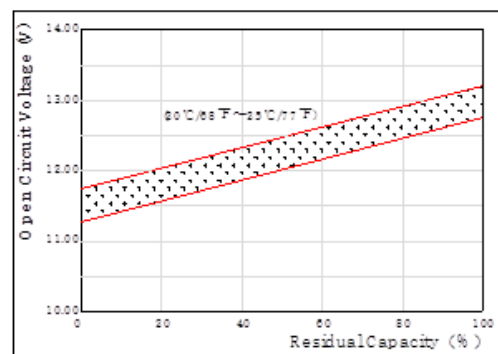
Specification

Nominal voltage	12 volts
Capacity	155 ampere hours @20°C, 10 hours rated (cut off voltage 1.80V/cell)
Dimension	L: 485 mm W: 172 mm H: 240 mm TH: 240 mm
Weight approx.	43 kg or 94.8 pounds
Internal resistance	Approx. 3.5 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	14.50 to 14.90 volts (-20mv / degree Celsius)
Maximum charging current	45 ampere (A)
Boost/equalizing charge	Not required
Terminal type	Copper - T11
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	452	331	271	160	97.9	39.8	27.7	15.3	7.94
10.20V	430	315	260	154	94.0	39.2	27.3	15.2	7.94
10.80V	404	296	247	146	89.3	38.3	26.8	15.0	7.84

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	4748	3581	2979	1803	1117	468	327	183	95.2
10.20V	4516	3407	2858	1736	1072	461	323	181	95.2
10.80V	4242	3201	2714	1646	1018	452	317	179	94.0