



6FM95G (12V95Ah)

LONGWAY® Standard battery is design for a general purpose by KaiYing Power. 6FM95G is a general purpose battery up to 8 years in float service or more than 260 cycles at 100% discharge in cycle service. As with all **LONGWAY®** batteries, all are rechargeable highly efficient, leak proof and maintenance free.



ISO 9001:2008 Standard



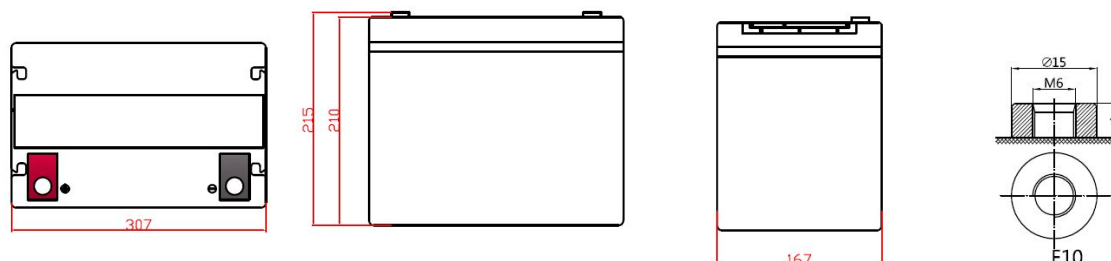
ISO 14001:2004 Standard



Specifications:

Cells per Unit	6
Normal Voltage	12V
Capacity	95Ah@10Hr-rate to 1.80V per cell@25°C
Weight	Approx.(27.0 ±3kg) (59.52lbs)
Maximum Discharge Current	950A(5sec)
Internal Resistance	Approx. 4.8mΩ full charged @25°C
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Nominal Operating Temperature Range	25°C±3°C
Float Charging Voltage	13.7~13.9VDC/unit Average @25°C
Maximum Charging Current	23.75A
Equalization and Cycle Service	14.4V~15.0VDC/unit Average @ 25°C
Self Discharge	LONGWAY Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C(77°F). Self-discharge ratio less than 3% per month at 25°C(77°F). Please charge batteries before using.
Terminal	Terminal F10
Container Material	ABS(UL94-HB) *Flammability resistance of (UL94-V0) can be available upon request

Dimensions: L307*W167*H210(TH215)mm



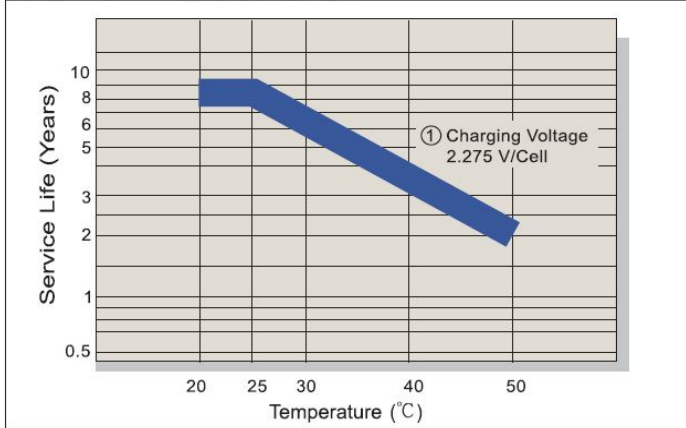
Constant Current Discharge Characteristics (A, 25 °C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60	283.1	233.7	183.5	111.6	61.8	37.1	27.96	17.94	11.57	9.64	5.06
9.90	274.6	226.7	179.9	109.4	60.5	36.9	27.83	17.85	11.51	9.60	5.04
10.2	268.9	222.0	176.2	107.2	59.3	36.6	27.55	17.67	11.47	9.56	5.02
10.5	253.4	215.0	170.7	103.8	57.4	36.2	27.27	17.49	11.43	9.53	5.00
10.8	232.1	208.7	167.4	101.8	56.3	35.8	27.00	17.32	11.40	9.50	4.99

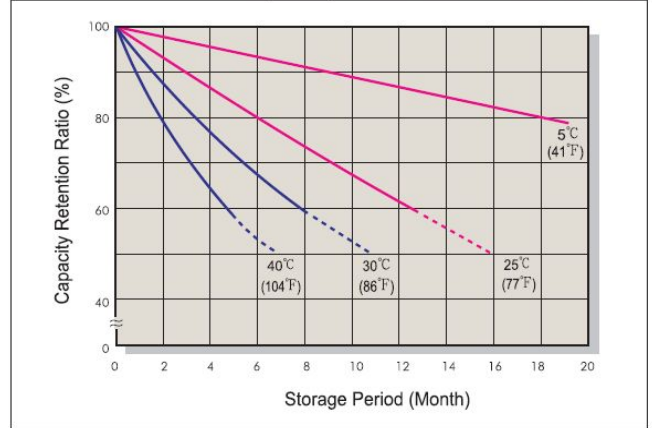
Constant Power Discharge Characteristics (Watt, 25 °C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60	3057	2552	2037	1252	704	430	328.8	212.0	138.9	115.1	60.7
9.90	2966	2475	1975	1227	690	428	327.2	210.9	138.2	114.6	60.4
10.2	2905	2424	1935	1202	676	424	324.0	208.9	137.6	114.1	60.2
10.5	2736	2348	1874	1165	655	419	320.7	206.8	137.2	113.8	60.0
10.8	2507	2279	1838	1142	642	415	317.5	204.7	136.8	113.4	59.9

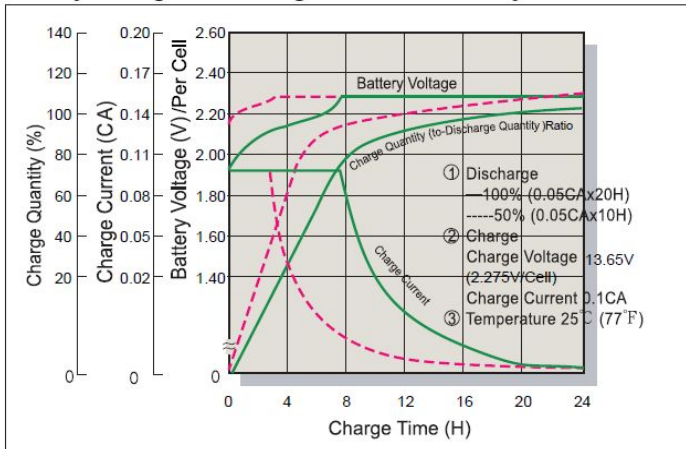
Trickle (or Float) Service Life



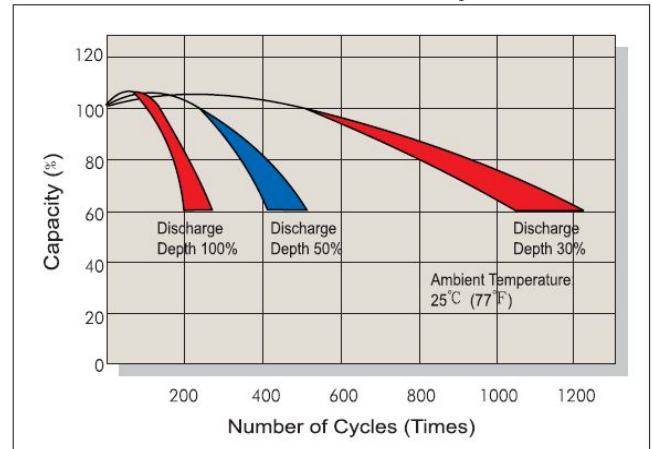
Capacity Retention Characteristic



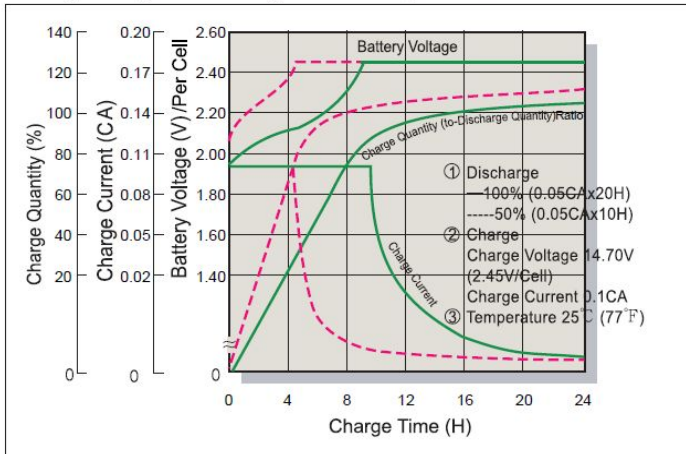
Battery Voltage and Charge Time for Standby Use



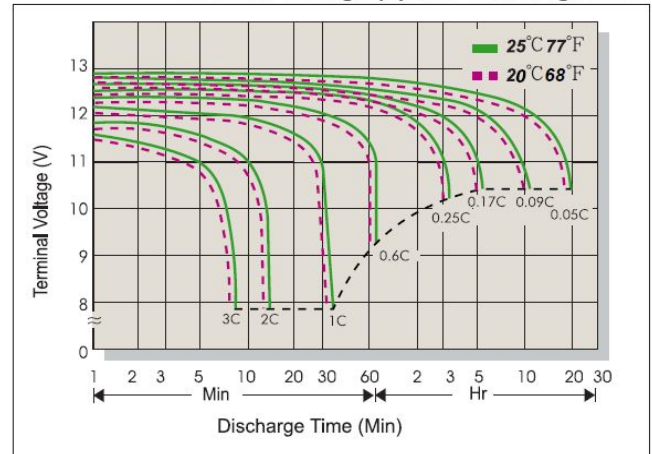
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.25C
Standby	25°C(77°F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.70	1.65	1.60
Discharge Current (A)	0.2C>(A)	0.2C<(A)	0.5C<(A)	(A)>1.0C

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