

## 3FM200G (6V200Ah)



**LONGWAY®** Standard battery is design for a general purpose by KaiYing Power. 3FM200G 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



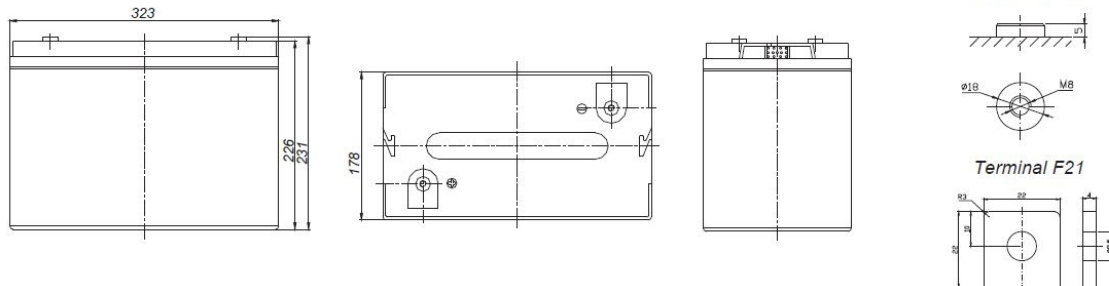
ISO 14001:2004 Standard



### Specifications:

Cells per Unit	3
Normal Voltage	6V
Capacity	200Ah@10Hr-rate to 1.80V per cell@25°C
Weight	Approx.(29.5±3%)kg(65.04bs)
Maximum Discharge Current	2000A(5sec)
Internal Resistance	Approx. 4.2mΩ 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(77°F±5°F)
Float Charging Voltage	6.75~6.9VDC/unit Average @25°C
Maximum Charging Current	60A
Equalization and Cycle Service	7.20V~7.50VDC/unit Average @ 25°C
Self Discharge	LONGWAY Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Terminal	F11/F21(0.250)
Container Material	ABS(UL94-HB) *Flammability resistance of (UL94-V0) can be available upon request

### Dimensions: L323\*W178\*H224(TH248)mm



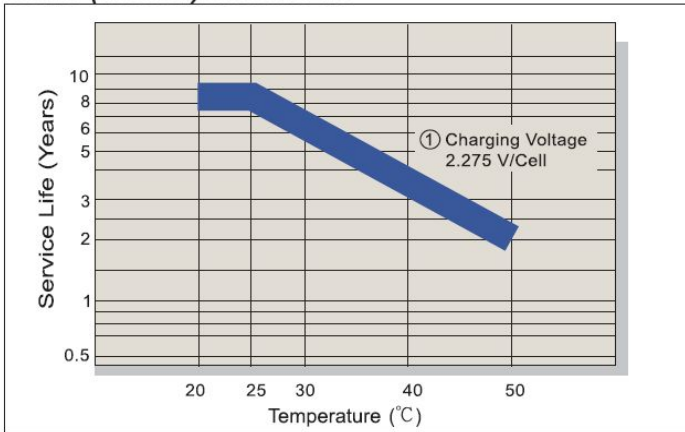
### Constant Current Discharge Characteristics (A, 25 °C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
4.80	625	492	386	235	130	78.2	54.4	36.5	24.4	20.3	10.7
4.95	606	477	379	230	127	77.8	54.1	36.4	24.2	20.2	10.6
5.10	594	467	371	226	125	77.0	53.6	36.0	24.1	20.1	10.6
5.25	559	453	359	219	121	76.2	53.1	35.6	24.1	20.1	10.5
5.40	513	439	352	214	119	75.5	52.5	35.3	24.0	20.0	10.5

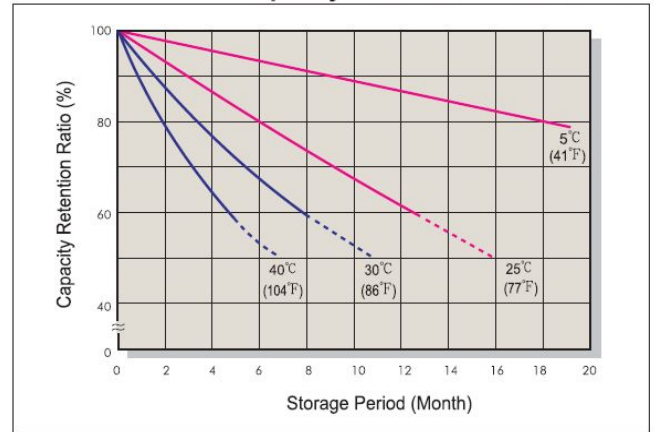
### Constant Power Discharge Characteristics (Watt, 25 °C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
4.80	3375	2686	2145	1318	741	453	320	216	146	121	63.9
4.95	3274	2606	2102	1292	726	450	318	215	145	121	63.6
5.10	3206	2552	2059	1266	711	446	315	213	145	120	63.4
5.25	3021	2471	1994	1226	689	441	312	211	144	120	63.2
5.40	2768	2399	1956	1202	676	437	309	209	144	119	63.0

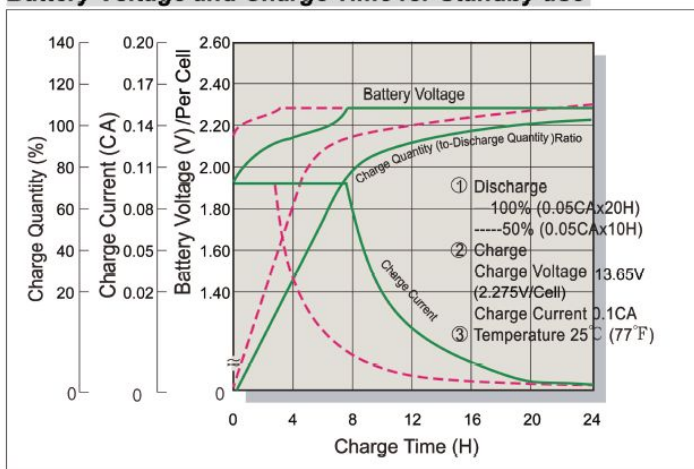
### Trickle (or Float) Service Life



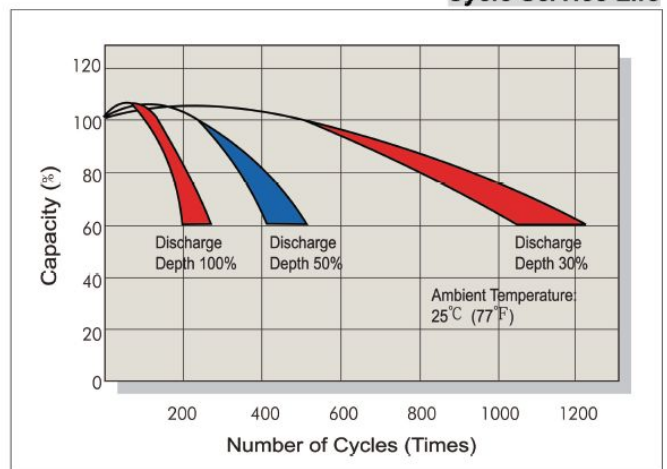
### Capacity Retention Characteristic



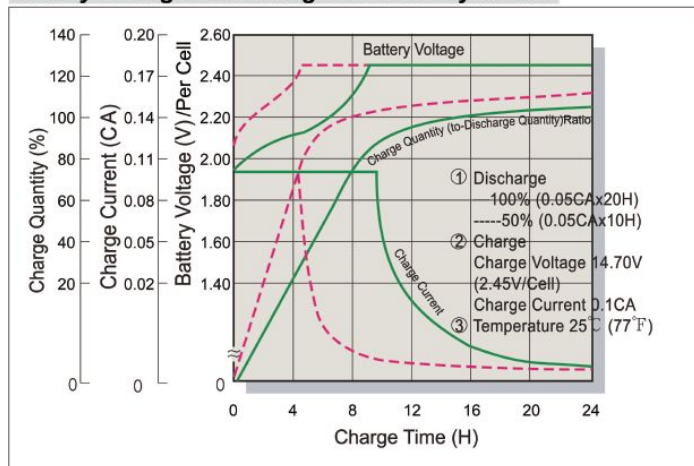
### Battery Voltage and Charge Time for Standby use



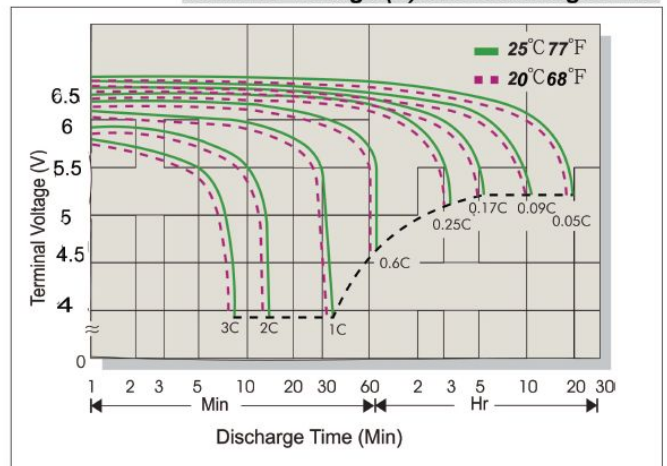
### Cycle Service Life



### 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	0.3C
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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