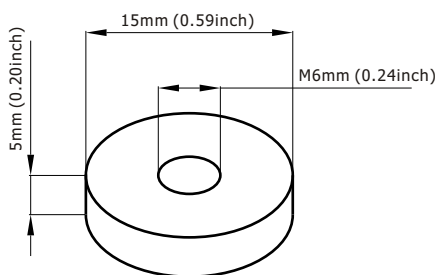


Rocked line designed with front terminal, GT-FA range extends service life to 10 years for normal standby and float service applications, offering high reliability and delivering superior performance while occupying less space and increasing energy density, and its total front access facilitates easy maintenance and installation.



**Terminal Dimensions**

### Applications

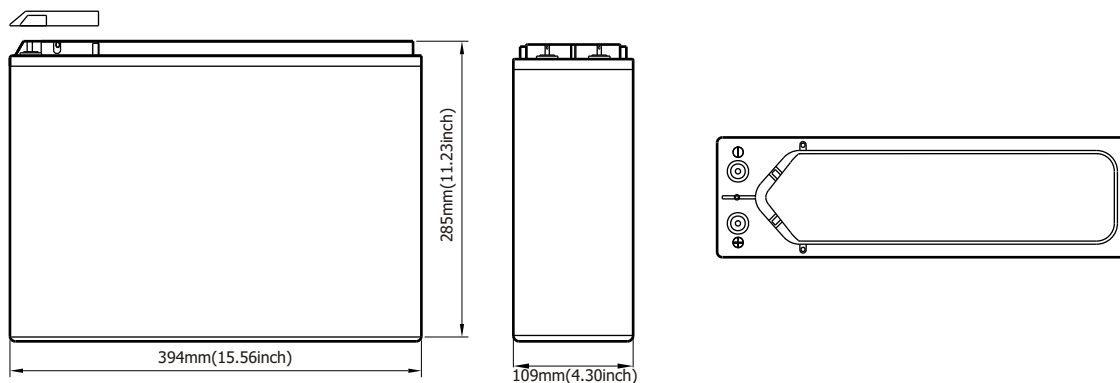
- Telecom
- Control Equipment
- Railroad Signal
- Communication Equipment
- Medical Equipment
- Electric Utility/Switchgear

### General Features

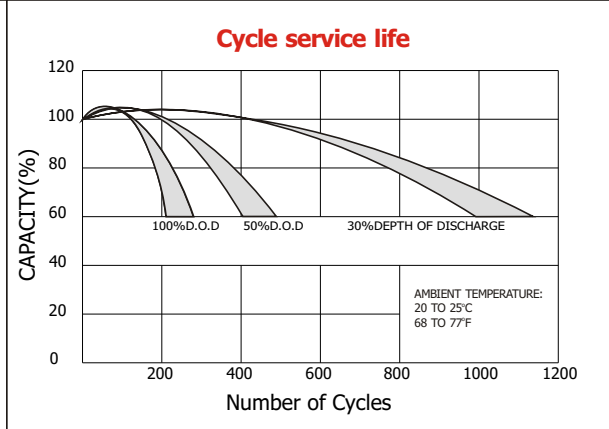
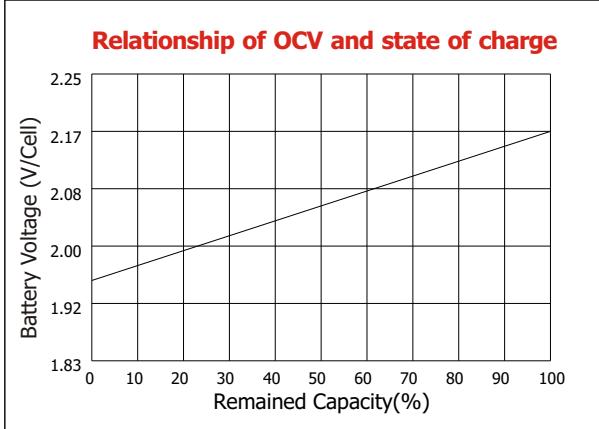
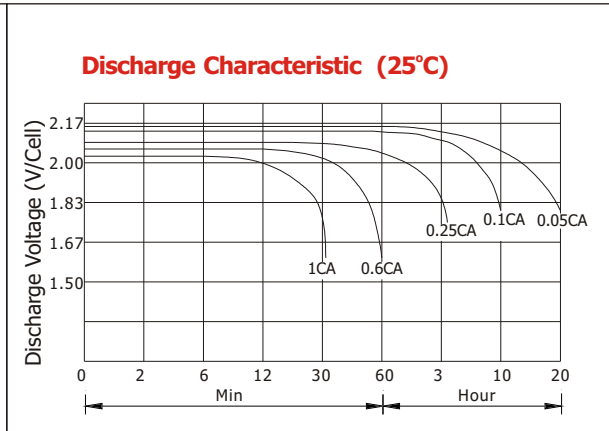
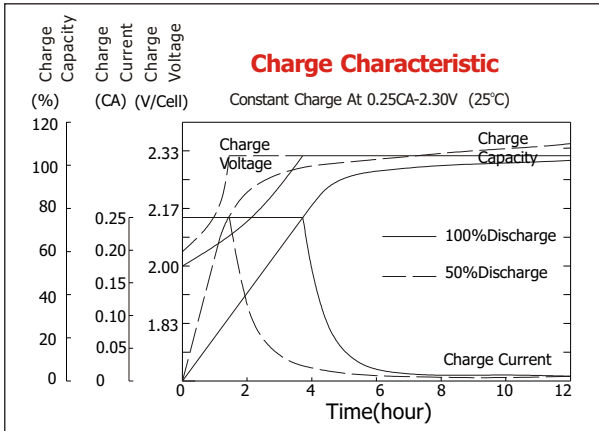
- Easy maintenance and installation
- No need for extra (wrench space) above battery
- Sealed and maintenance free operation
- Non-Spillable construction design
- ABS containers and covers(UL94HB, UL94V-0) optional
- Safety valve installation for explosion proof
- Maximized energy density for installation in relay rack trays
- High quality and high reliability
- Exceptional deep discharge recovery performance
- Flexibility design for multiple install positions

### Construction

- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



Battery Model	GT 12-100FA			
Designed Floating Life	10 Years			
Capacity(25°C)	20HR(5.7A,1.75V)	10HR(10.5A,1.75V)	5HR(19A,1.75V)	1HR(70A,1.75V)
	114Ah	105Ah	95Ah	70Ah
Dimensions	Length	Width	Height	Total Height
	394mm(15.51inch)	109mm(4.30inch)	285mm(11.23inch)	285mm(11.23inch)
Approx. Weight	34.5Kg (75.9 lbs)			
Internal Resistance	Full charged at 25°C: 0.005 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	10°C	0°C
	107%	100%	93%	86%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 25A		13.6-13.8V(-20mV/ °C)	



### Constant current discharge ratings-amperes at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	350	240	175	105	71.1	31.3	19.8	10.9	5.78
1.67V	315	219	170	102	71.0	31.2	19.6	10.8	5.76
1.70V	299	211	164	100	70.8	31.2	19.6	10.7	5.76
1.75V	266	195	155	98.0	70.0	31.0	19.5	10.5	5.74
1.80V	240	181	148	95.0	69.1	30.9	19.3	10.3	5.53
1.85V	182	149	128	87.4	68.4	30.8	19.1	10.1	5.20

### Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	577	398	310	198	140	60.2	37.9	21.8	11.6
1.67V	547	393	307	194	135	60.2	37.9	21.5	11.5
1.70V	511	383	302	189	132	60.2	37.9	21.3	11.5
1.75V	476	358	284	184	131	59.2	37.4	21.0	11.5
1.80V	427	333	267	179	128	58.4	36.8	20.6	11.1
1.85V	342	276	233	164	127	58.2	36.3	20.2	10.4

