

**Model: 6-FM-100**

**GP SERIES**

**General Series**

General Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System.



**Application**

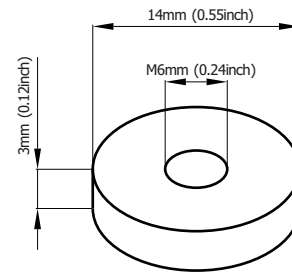
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

**General Features**

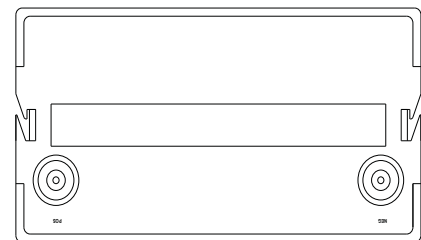
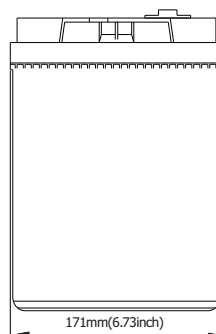
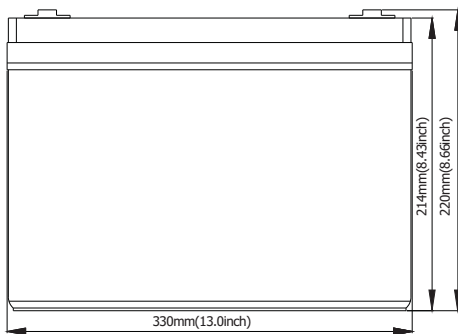
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

**Construction**

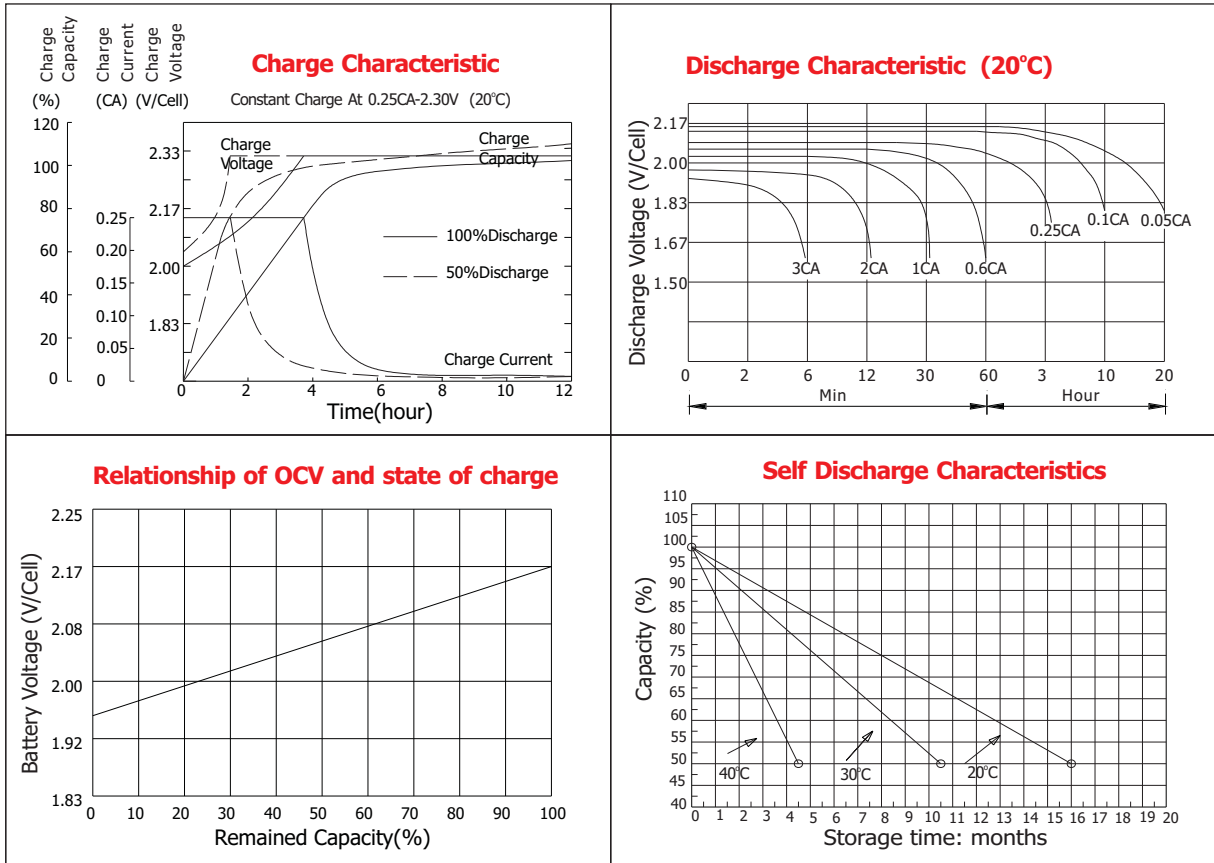
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Pb Alloy
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



**Terminal Dimensions**



Battery Model	6-FM-100			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(5.3A,1.80V)	10HR(10A,1.80V)	5HR(17A,1.75V)	1HR(63A,1.60V)
	106Ah	100Ah	85Ah	63Ah
Dimensions	Length	Width	Height	Total Height
	330mm(13.0inch)	171mm(6.73inch)	214mm(8.43inch)	220mm(8.66inch)
Approx. Weight	30Kg (66.2 lbs)			
Internal Resistance	Full charged at 20°C: 0.0045 Ohm			
Self Discharge	< 3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current: 25A		13.6-13.8V(-20mV/ °C)	



**Constant current discharge ratings-amperes at 20°C**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	350	240	175	105	62.7	27.3	17.4	10.6	5.53
1.67V	315	219	170	102	62.6	27.2	17.2	10.4	5.51
1.70V	299	211	164	100	62.4	27.2	17.2	10.4	5.51
1.75V	266	195	155	98.0	61.8	27.0	17.1	10.2	5.49
1.80V	240	181	148	95.0	61.0	26.9	16.9	10.0	5.29
1.85V	182	149	128	87.4	60.3	26.8	16.8	9.83	4.98

**Constant power discharge ratings-watts at 20°C**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	577	398	310	198	124	52.4	33.2	21.2	11.1
1.67V	547	393	307	194	119	52.4	33.2	20.9	11.0
1.70V	511	383	302	189	116	52.4	33.2	20.7	11.0
1.75V	476	358	284	184	115	51.6	32.9	20.4	11.0
1.80V	427	333	267	179	113	50.9	32.3	20.0	10.6
1.85V	342	276	233	164	112	50.7	31.9	19.7	10.0

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