

# Model: 6-FM-65

## 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

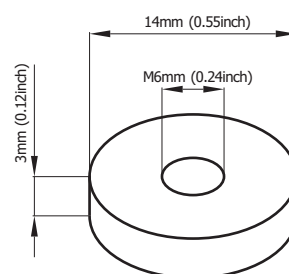
- Cable Television
- Communication Equipment
- Security System
- UPS
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

### General Features

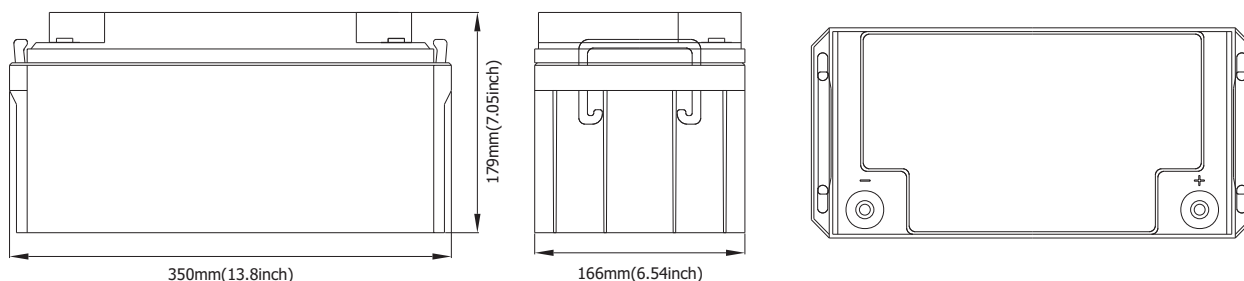
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

### Construction

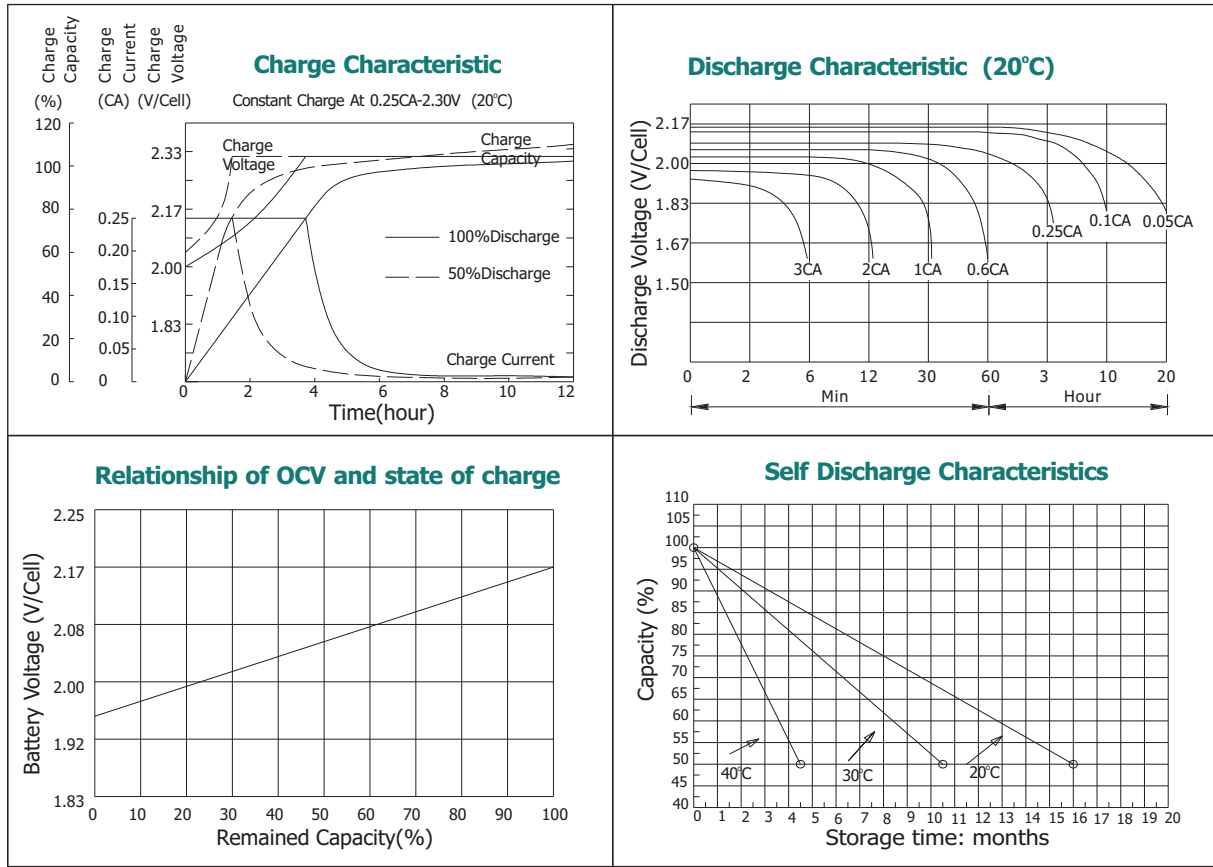
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Pb Alloy
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



**Terminal Dimensions**



Battery Model	6-FM-65			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(3.4A,1.80V)	10HR(6.5A,1.80V)	5HR(11A,1.75V)	1HR(40A,1.60V)
	68AH	65AH	55AH	40AH
Dimensions	Length	Width	Height	Total Height
	350mm(13.8inch)	166mm(6.54inch)	179mm(7.05inch)	179mm(7.05inch)
Approx. Weight	21.2Kg(46.7 lbs)			
Internal Resistance	Full charged at 20°C: 0.006 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: 16.25A		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	228	156	114	68.3	42.9	17.7	12.4	6.89	3.60
1.67V	205	142	111	66.3	42.8	17.7	12.3	6.79	3.58
1.70V	194	137	107	65.0	42.7	17.7	12.3	6.74	3.58
1.75V	173	127	101	63.7	42.3	17.6	12.2	6.62	3.57
1.80V	156	118	96.2	61.8	41.7	17.5	12.1	6.51	3.44
1.85V	118	96.9	83.2	56.8	41.3	17.4	12.0	6.39	3.24

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

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	375	259	202	129	84.5	34.1	23.7	13.8	7.19
1.67V	356	255	200	126	81.7	34.1	23.7	13.6	7.17
1.70V	332	249	196	123	79.6	34.1	23.7	13.5	7.17
1.75V	309	233	185	120	78.8	33.5	23.5	13.2	7.14
1.80V	278	216	174	116	77.5	33.1	23.1	13.0	6.88
1.85V	222	179	151	107	76.8	33.0	22.8	12.8	6.47

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