

# Model: 6-FM-28

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

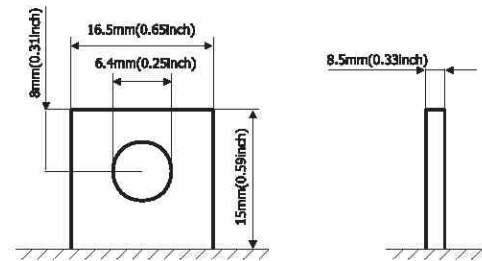
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Power tools
- Emergency Power System
- Toys

### General Features

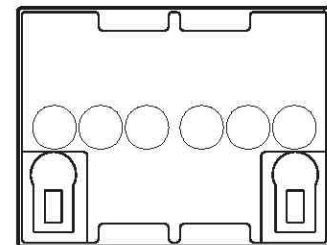
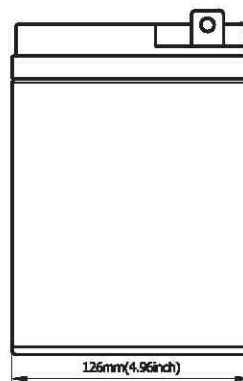
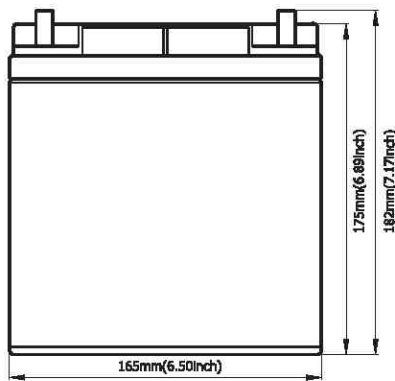
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

### Construction

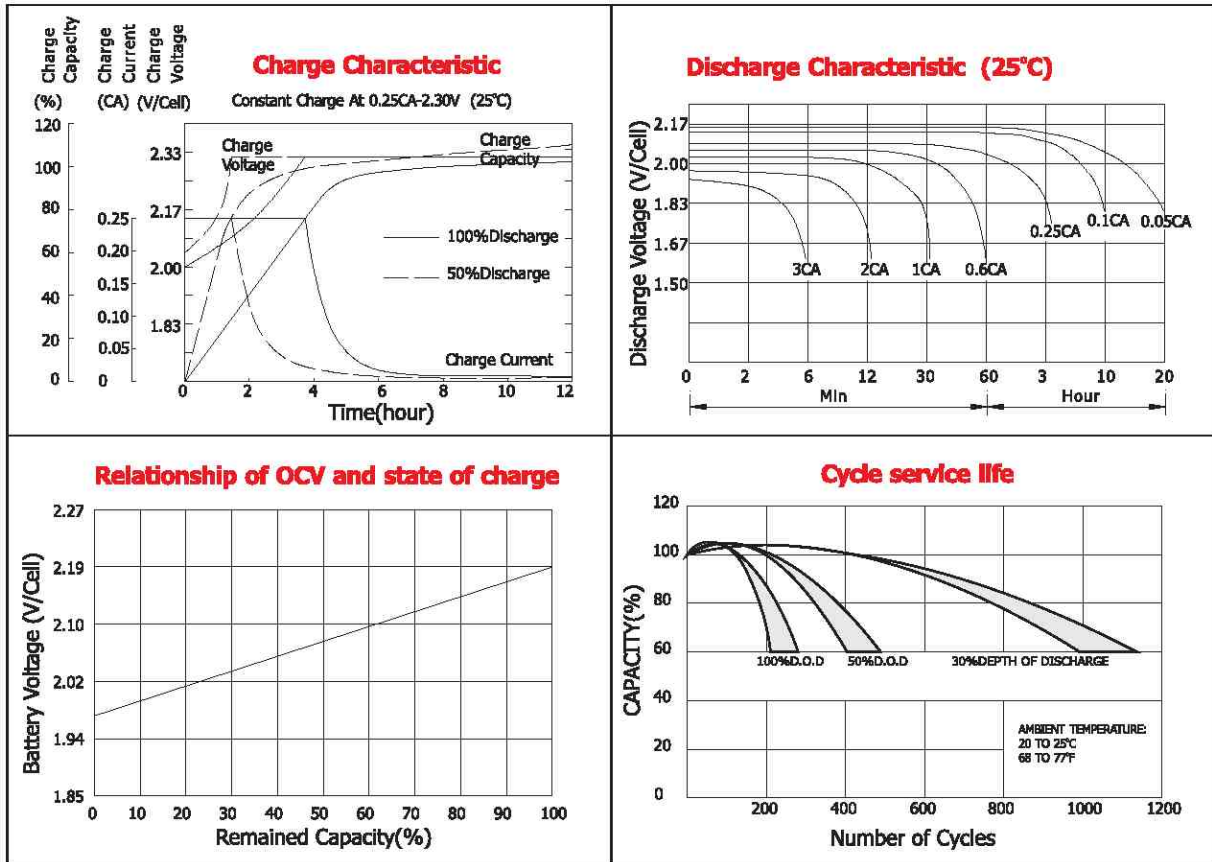
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



Terminal Dimensions



Battery Model	6-FM-28			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(1.48A,1.80V)	10HR(2.80A,1.80V)	5HR(4.74A,1.75V)	1HR(15.2A,1.60V)
	29.6AH	28.0AH	23.7AH	15.2AH
Dimensions	Length	Width	Height	Total Height
	166mm(6.50inch)	126mm(4.96inch)	175mm(6.89inch)	182mm(7.17inch)
Approx. Weight	8.5Kg (18.7 lbs)			
Internal Resistance	Full charged at 25°C: 0.01 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current:8.4A		13.6-13.8V(-20mV/ °C)	



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

F.V/Time	5M IN	10M IN	15M IN	30M IN	1HR	3HR	5HR	10HR	20HR
1.60V	98.0	67.2	49.0	29.4	17.4	7.64	4.86	2.97	1.55
1.67V	88.2	61.3	47.6	28.6	17.3	7.62	4.82	2.92	1.54
1.70V	83.7	59.1	45.9	28.0	17.3	7.62	4.82	2.90	1.54
1.75V	74.5	54.6	43.4	27.4	17.1	7.56	4.78	2.85	1.54
1.80V	67.2	50.7	41.4	26.6	16.9	7.53	4.74	2.80	1.48
1.85V	51.0	41.7	35.8	24.5	16.7	7.50	4.70	2.75	1.39

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

F.V/Time	5M IN	10M IN	15M IN	30M IN	1HR	3HR	5HR	10HR	20HR
1.60V	162	111	86.8	55.4	36.4	14.7	10.2	5.94	3.10
1.67V	153	110	86.0	54.3	35.2	14.7	10.2	5.85	3.09
1.70V	143	107	84.6	52.9	34.3	14.7	10.2	5.80	3.09
1.75V	133	100	79.5	51.5	34.0	14.4	10.1	5.70	3.07
1.80V	120	93.2	74.8	50.1	33.4	14.3	9.94	5.60	2.97
1.85V	95.8	77.3	65.2	45.9	33.1	14.2	9.80	5.51	2.79

**NARADA POWER SOURCE CO.,LTD.**  
No.459 Wensan Road, Hangzhou, Zhejiang, P.R.China  
Tel:+86-571-28827013 Fax:+86-571-85126942  
Website:www.naradabattery.com E-mail: int@narada.biz

**NARADA ASIA PACIFIC PTE.LTD.**  
65 Ubi Crescent #07-05 HOLA centre, Singapore  
Tel: +65-6848 1191 Fax: +65-6749 3498  
E-mail: sales@narada.com.sg

**NARADA EUROPE (UK) LIMITED**  
Spectrum House, Dunstable Road, Redbourn,  
St. Albans, Herts AL3 7PR  
Tel: +44 (0)845 371 7095 Fax:+44 (0)845 612 2031  
E-mail: sales@naradaeurope.com

