

Model: 6-FM-12

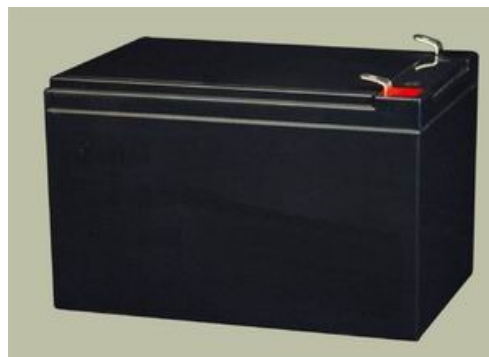
GP SERIES

General Features

- Better discharge characteristic than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Application

- Electric Powered Vehicles. Electric Powered Toys.
- Golf Cars and Buggies. Control System.
- Wheel chairs. Vacuum Cleaners.
- Power tools. Medical Equipments.



General Characteristics

Battery Model	6-FM-12			
Designed Cycle life	5Years			
Capacity(25°C)	20HR(0.6A, 1.75V)	10HR(1.15A, 1.75V)	5HR(2.04A, 1.75V)	1HR(7.8A, 1.75V)
	12AH	11.5AH	10.2AH	7.8AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	98mm(3.86inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	4Kg (8.82 lbs)			
Internal resistance	Full charged at 25°C :0.016Ohm			
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),maxCurrent: 3.6A			13.6-13.8(-20mV/°C)

Constant current discharge ratings-amperes at (25°C)

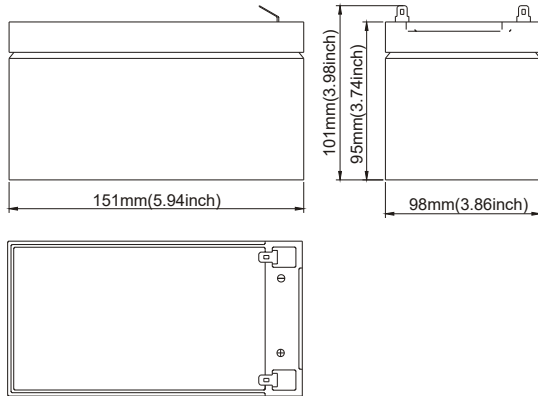
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	46.9	29.2	22.0	13.4	8.53	3.74	2.29	1.28	0.67
1.67V	44.0	27.7	21.2	12.8	8.42	3.60	2.24	1.27	0.65
1.70V	40.3	26.7	20.7	11.7	8.16	3.36	2.19	1.26	0.64
1.75V	39.5	25.8	20.0	11.1	7.78	3.25	2.14	1.25	0.62
1.80V	35.4	24.7	18.2	10.3	7.28	3.12	2.02	1.23	0.61
1.85V	31.2	23.5	16.3	9.45	6.78	3.01	1.89	1.21	0.59

Constant power discharge ratings-watts at (25°C)

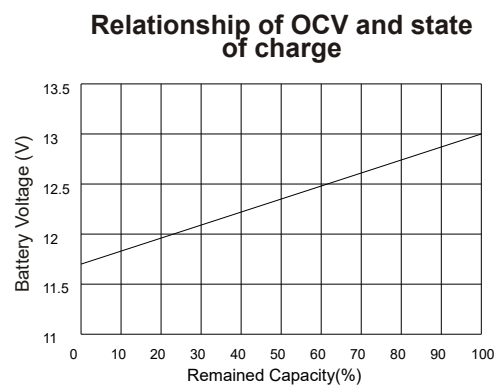
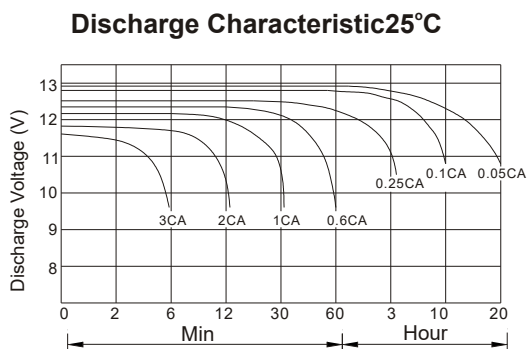
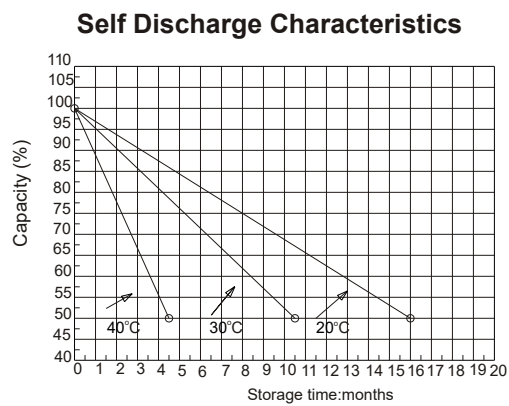
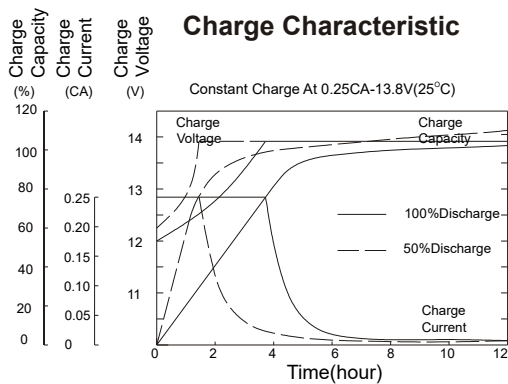
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	82.2	52.7	40.2	24.2	15.4	6.64	3.87	2.56	1.34
1.67V	79.4	51.3	39.7	23.7	15.3	6.43	3.85	2.54	1.30
1.70V	74.7	50.8	39.3	22.2	15.0	6.14	3.80	2.53	1.28
1.75V	75.2	50.7	39.0	21.5	14.8	6.00	3.77	2.50	1.25
1.80V	68.8	49.9	36.2	20.5	13.9	5.82	3.65	2.46	1.22
1.85V	62.4	47.4	32.8	19.2	13.1	5.65	3.53	2.43	1.17

Model: 6-FM-12

GP SERIES



Terminal Dimensions



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: intl@narada.biz

