

Model: 6-FM-230

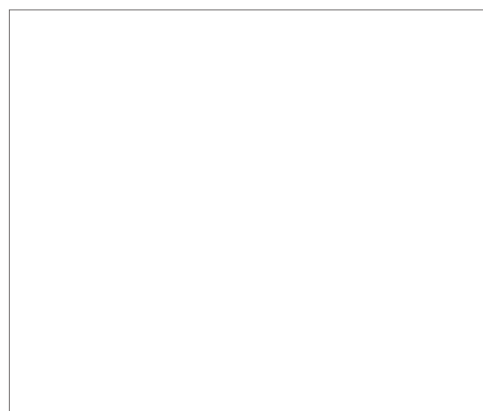
GP SERIES

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-230			
Designed Cycle life	8Years			
Capacity(25°C)	20HR(11.6A,1.75V)	10HR(23A,1.75V)	5HR(43.2A,1.75V)	1HR(165A,1.75V)
	241AH	230AH	216AH	165AH
Dimensions	Length	Width	Height	Total Height
	521mm(20.51inch)	269mm(10.59inch)	203mm(7.99inch)	210mm(8.27inch)
Approx. Weight	72Kg (158.7 lbs)			
Internal resistance	Full charged at 25°C :0.035 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: 57A			13.6-13.8(-20mV/°C)

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

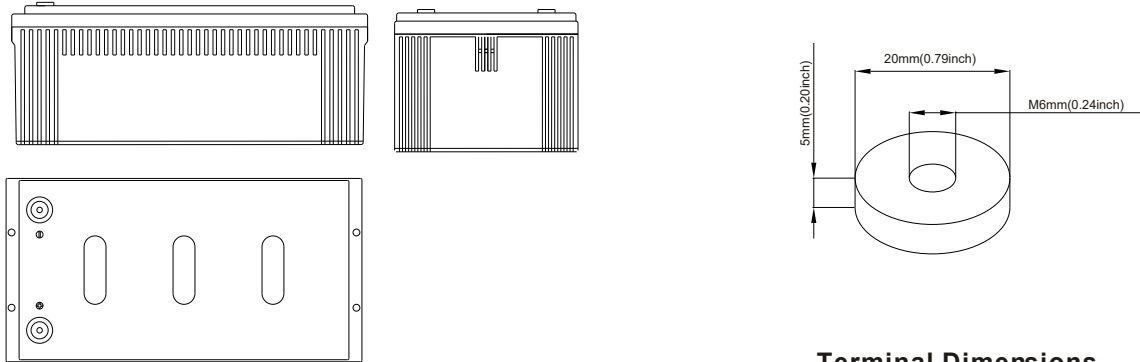
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	805	552	403	242	152	62.8	43.9	24.4	12.1
1.67V	725	504	391	235	152	62.6	43.5	24.0	12.1
1.70V	688	485	377	230	151	62.6	43.5	23.8	12.1
1.75V	612	449	357	225	150	62.1	43.2	23.4	12.0
1.80V	552	416	340	219	148	61.9	42.8	23.0	11.6
1.85V	419	343	294	201	146	61.6	42.5	22.6	10.9

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

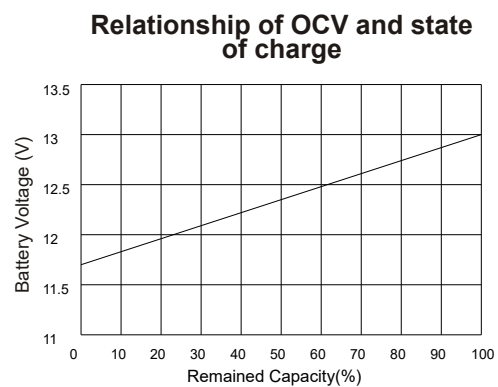
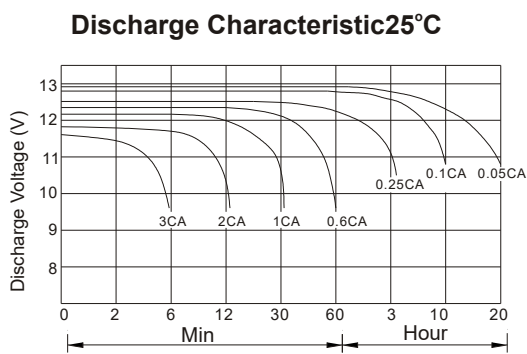
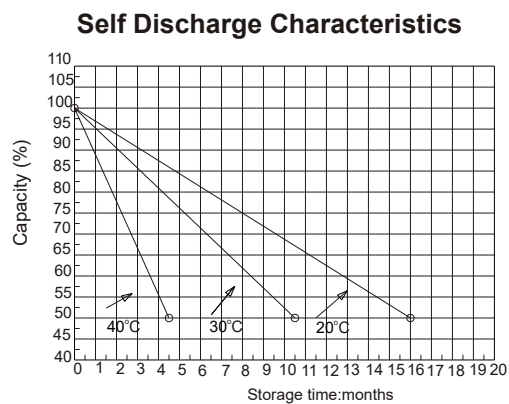
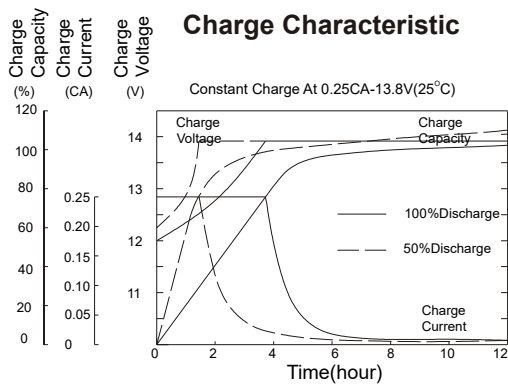
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1327	915	713	455	299	121	84.0	48.8	24.2
1.67V	1258	904	706	446	289	121	84.0	48.0	24.2
1.70V	1175	881	695	435	282	121	84.0	47.7	24.2
1.75V	1095	823	653	423	279	119	83.0	46.9	24.0
1.80V	982	766	614	412	274	117	81.7	46.0	23.2
1.85V	787	635	536	377	272	117	80.5	45.2	21.8

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Terminal Dimensions



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