

6FM134RD 12V 134Ah(10hr)



The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

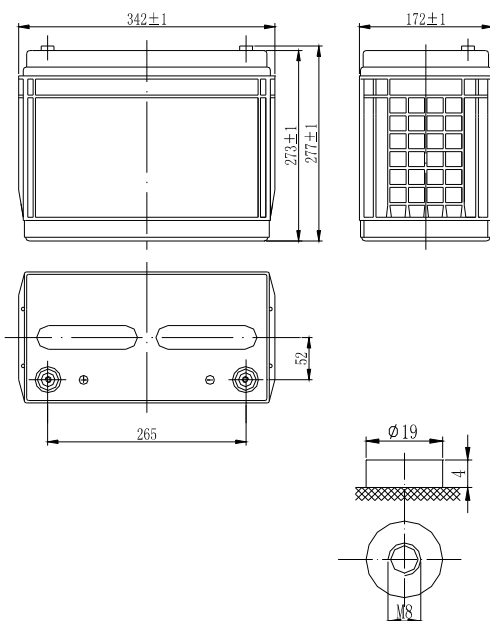
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	PP	PP	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Dimensions and Weight

Length(mm / inch).....342 / 13.46
 Width(mm / inch).....172 / 6.77
 Height(mm / inch).....273 / 10.75
 Total Height(mm / inch).....277 / 10.91
 Approx. Weight(Kg / lbs).....42.5 / 93.7



Performance Characteristics

Nominal Voltage12V
 Number of cell6
 Design Life10 years
 Nominal Capacity 77°F(25°C)
 10 hour rate (13.4A, 10.8V) 134Ah
 5 hour rate (22.1A, 10.5V) 110.5Ah
 1 hour rate (83.6A, 9.6V) 83.6Ah
 Internal Resistance
 Fully Charged battery 77°F(25°C) 3.8mOhms
 Self-Discharge
 3% of capacity declined per month at 20°C(average)
 Operating Temperature Range
 Discharge-20~60°C
 Charge-10~60°C
 Storage-20~60°C
 Max. Discharge Current 77°F(25°C) 950A(5s)
 Short Circuit Current 2250A
 Charge Methods: Constant Voltage Charge 77°F(25°C)
 Cycle use 14.4-14.7V
 Maximum charging current 40.2A
 Temperature compensation-30mV/°C
 Standby use 13.6-13.8V
 Temperature compensation-20mV/°C

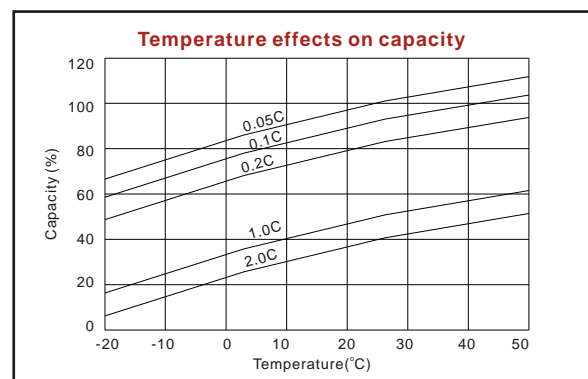
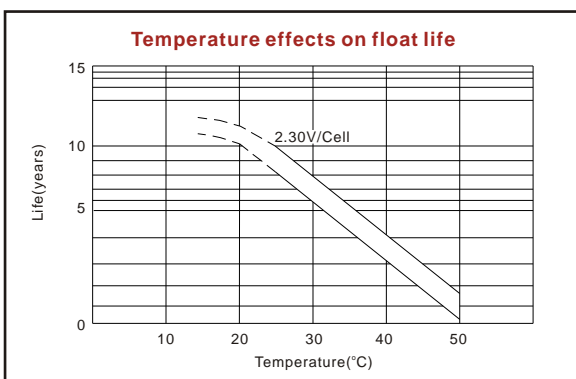
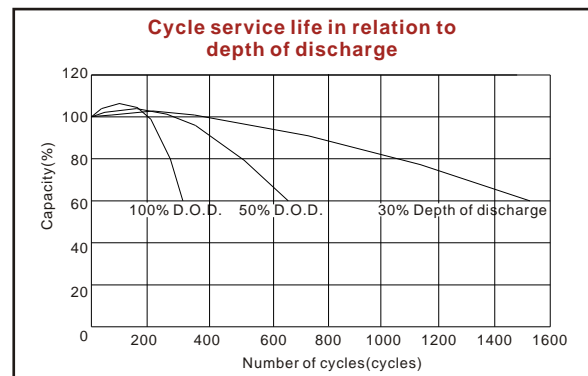
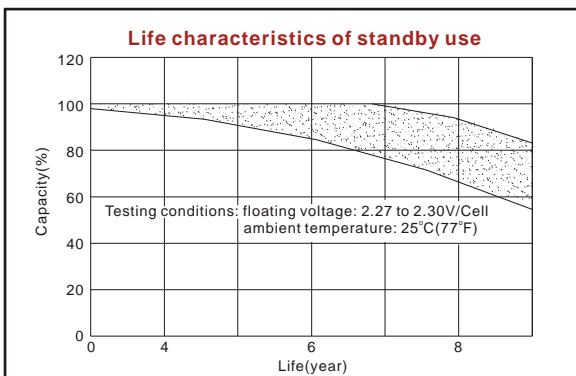
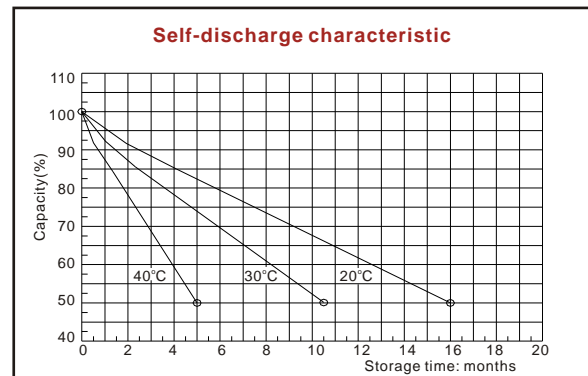
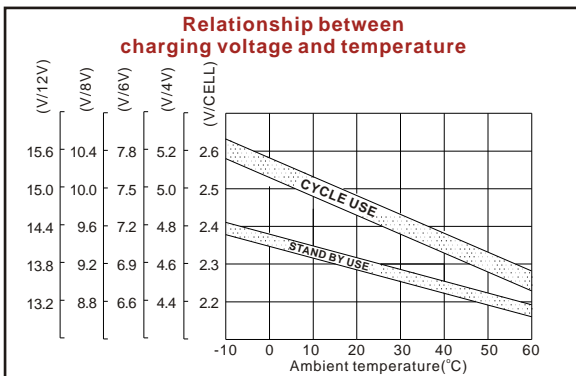
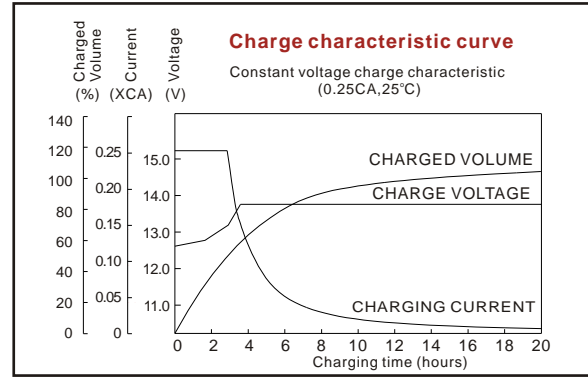
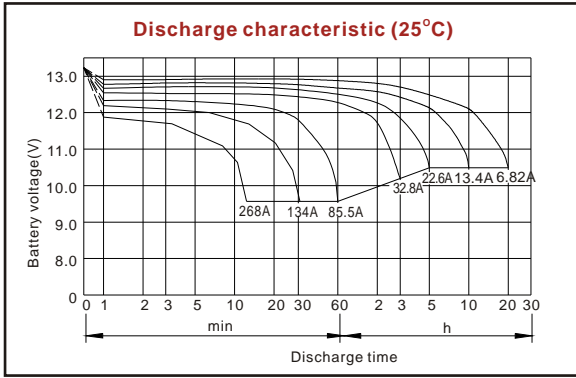
Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/cell	5min	10min	15min	30min	1h	3h	5h	10h	20h	100h
1.60V	397	301	244	138	85.5	35.1	23.8	13.7	6.96	1.57
1.65V	371	284	235	134	84.9	34.3	23.5	13.6	6.94	1.55
1.70V	346	269	225	130	83.2	33.6	23.0	13.5	6.90	1.54
1.75V	319	253	215	125	80.7	32.8	22.6	13.4	6.85	1.53
1.80V	294	237	206	122	78.0	31.9	22.2	13.4	6.82	1.52

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/cell	5min	10min	15min	30min	45min	1h	2h	3h	5h	100h
1.60V	681	543	433	262	185	172	94.7	67.5	47.0	3.13
1.65V	646	516	418	254	182	169	93.2	66.7	46.7	3.15
1.70V	613	489	405	248	178	167	91.4	65.9	46.3	3.16
1.75V	580	463	391	239	173	162	89.8	65.2	46.0	3.17
1.80V	543	433	377	231	170	157	88.9	63.9	45.6	3.19

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.



ISO9001:2000

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