

EB6-215 6V 215Ah(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

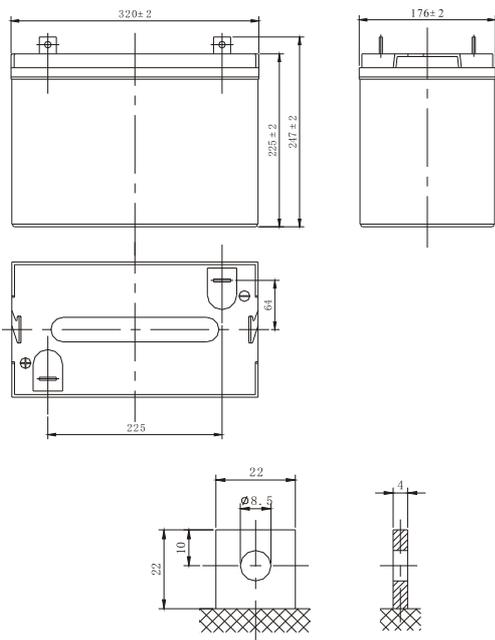
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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)	320 / 12.60
Width(mm / inch)	176 / 6.93
Height(mm / inch)	225 / 8.86
Total Height(mm / inch)	247 / 9.72
Approx. Weight(Kg / lbs)	30.5 / 67.2



Performance Characteristics

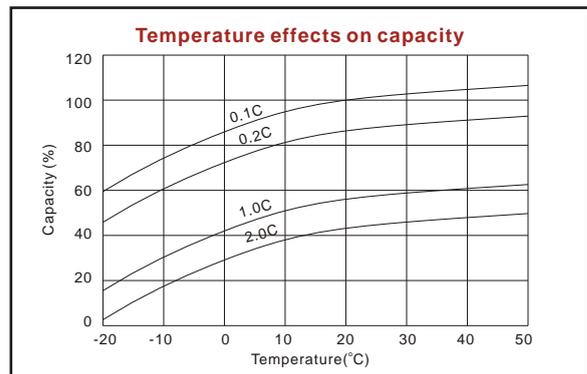
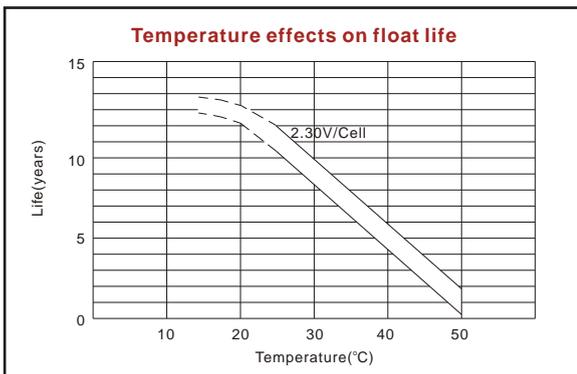
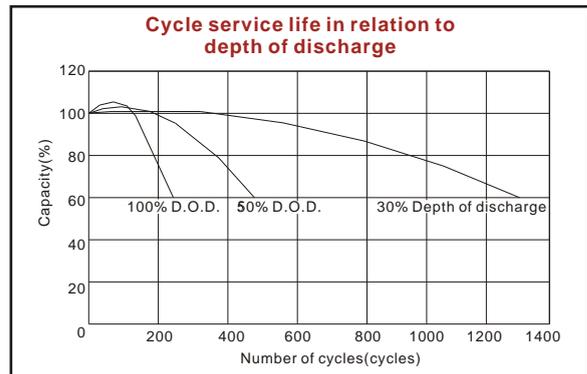
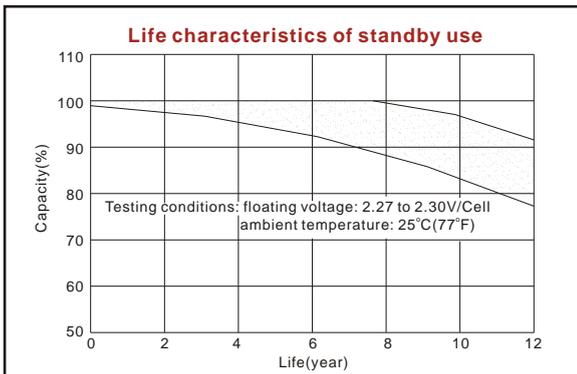
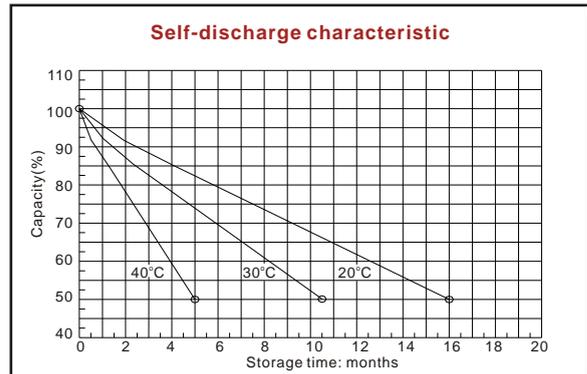
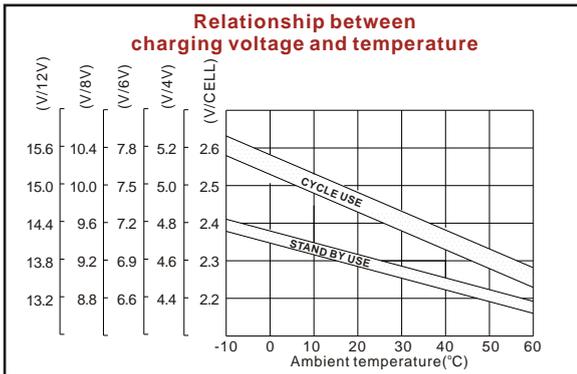
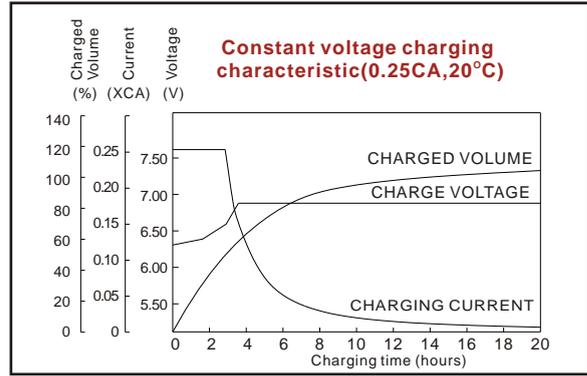
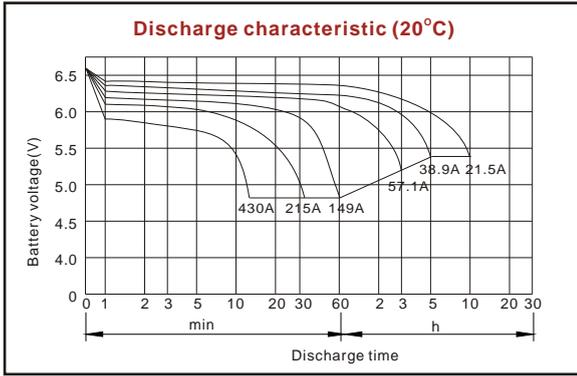
Nominal Voltage	6V
Number of cell	3
Design Life	12 years
Nominal Capacity 68°F(20°C)	
10 hour rate (21.5A, 1.8V/Cell)	215Ah
5 hour rate (38.9A, 1.8V/Cell)	194.5Ah
1 hour rate (149A, 1.6V/Cell)	149Ah
Internal Resistance	
Fully Charged battery 68°F(20°C)	3.2mOhms
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max. Discharge Current 68°F(20°C)	1000A(5s)
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	7.25~7.45V
Maximum charging current	64.5A
Temperature compensation	-15mV/°C
Standby use	6.8~6.9V
Temperature compensation	-10mV/°C

Discharge Constant Current (Amperes at 68°F20°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h
1.60V	603	457	400	230	149	61.6	41.2	22.2
1.65V	572	435	380	225	137	60.6	40.9	22.1
1.70V	538	416	350	218	131	59.5	40.5	22.0
1.75V	500	397	340	213	129	57.1	40.0	21.8
1.80V	476	366	323	206	126	54.5	38.9	21.5
1.85V	409	320	282	197	122	52.1	38.0	20.9
1.90V	352	286	241	188	112	49.4	36.2	20.3

Discharge Constant Power (Watts at 68°F20°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h
1.60V	1010	786	676	422	335	261	116	78.6
1.65V	972	758	662	409	320	250	114	77.9
1.70V	942	732	630	400	311	243	112	76.8
1.75V	899	706	601	391	304	237	108	75.7
1.80V	863	669	576	382	295	230	104	74.8
1.85V	787	615	549	369	286	223	102	73.9
1.90V	714	569	480	357	276	216	99.2	72.5



ISO9001:2000

MH25860

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