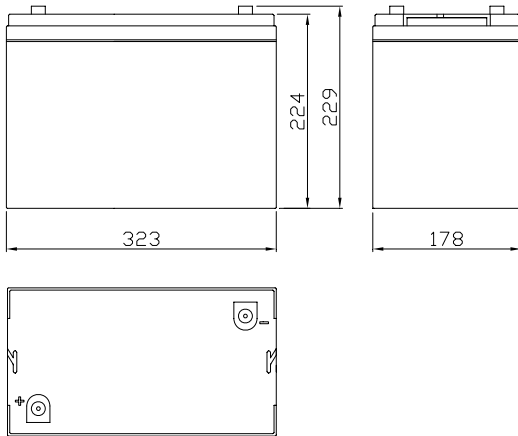




6V225Ah

The battery is constructed by plates, separators, safety valves and container.
 Since the electrolyte is held by a glassmat separator and plates, the battery can use in any direction and position without leakage.

Outer Dimensions



Performance Characteristics

Nominal Voltage	6V
Number of cell	3
Design Life	3~5 years
Nominal Capacity 77°F(25°C)	
10 hour rate(22.5A,5.25V)	225Ah
5 hour rate (35.7 A,5.25V)	178.5Ah
1 hour rate(146A,4.80V)	146Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	2 mΩ
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operation Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max.Discharge Current 77°F(25°C)	3375A(5s)
Short Circuit Current	11250A

Dimensions and Weight

Length (mm / inch)	323 / 12.7
Width (mm / inch)	178 / 7.01
Height (mm / inch)	224 / 8.82
Total Height (mm / inch)	229 / 9.02
Approx.Weight(Kg / lbs)	35.0 / 77.0

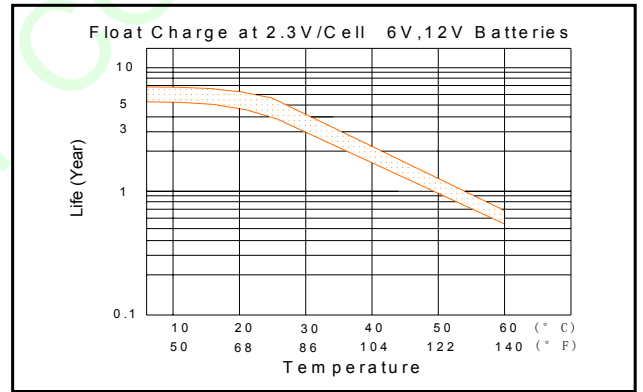
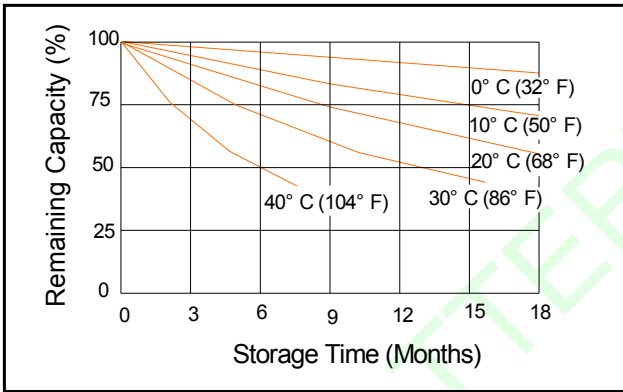
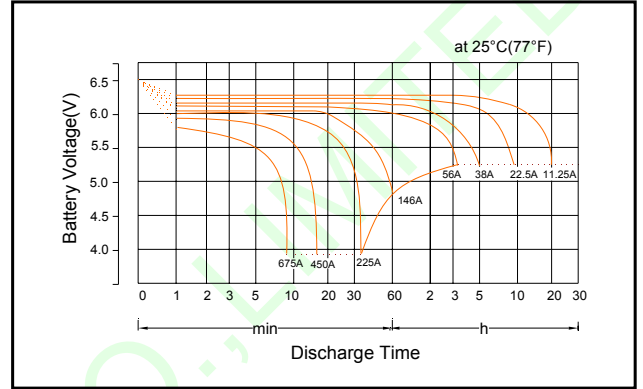
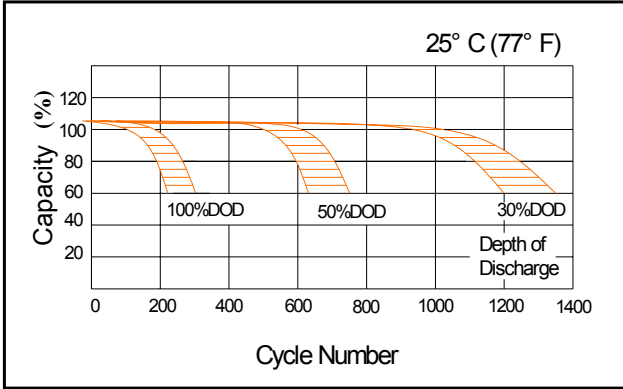
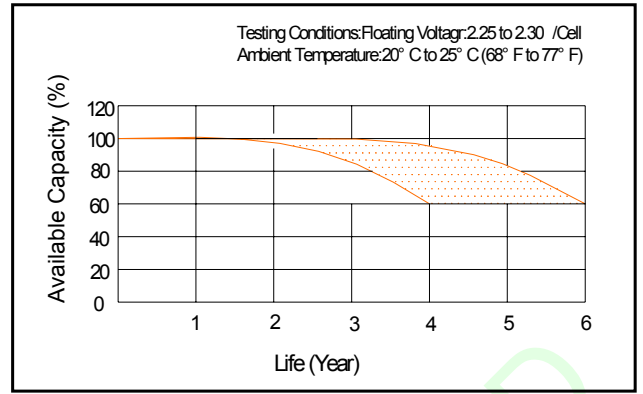
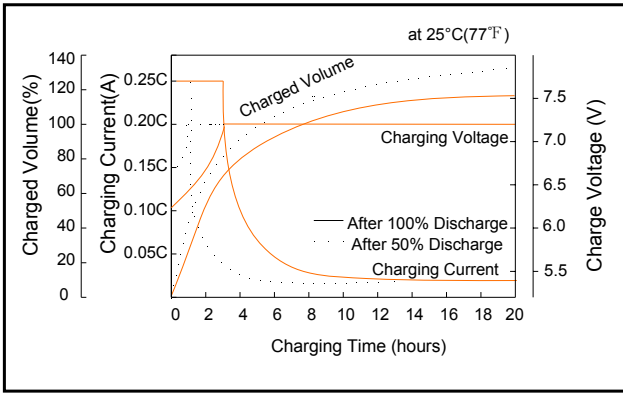
Battery Construction

COMPONENT	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
RAW MATERIAL	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

Charging Methods

Application	Charging method	Charging Voltage at 25° C	Temperature compensation coefficient of charging voltage	Max.charging current	Charging time 25°C(h)		Temp (° C) (32~104° F)
					100% discharge	50% discharge	
For standby power source	Constant voltage & Constant Current Charging (with current restriction)	6.75-6.90V	-20 mV/° C	75A	24	20	0~40 (32~104° F)
For cycle service		7.30-7.50V	-30 mV/° C	75A	16	10	

6V225Ah



Discharge Constant Current (Amperes at 77°F/25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	788	630	450	260	185	146	78.8	56.9	38.7	25.4	21.2	11.4
1.65V	765	608	428	254	182	145	78.1	56.7	38.4	25.4	21.2	11.4
1.70V	720	563	405	248	180	144	77.8	56.3	38.3	25.2	20.9	11.3
1.75V	630	473	383	235	178	142	76.5	55.6	38.3	24.9	20.9	11.3
1.80V	563	405	360	203	175	140	74.3	54.0	37.8	24.9	20.4	11.1

Discharge Constant Power (Watts/cell at 77°F/25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1434	1149	828	501	350	283	151	110	74.7	49.3	41.1	22.5
1.65V	1374	1103	783	485	347	276	150	109	74.3	49.0	41.0	22.5
1.70V	1310	1037	747	463	342	276	149	109	73.8	49.0	41.0	22.3
1.75V	1148	876	704	434	338	272	147	107	73.8	48.5	40.5	21.9
1.80V	1025	788	665	376	333	268	142	104	73.3	48.5	39.9	21.5

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