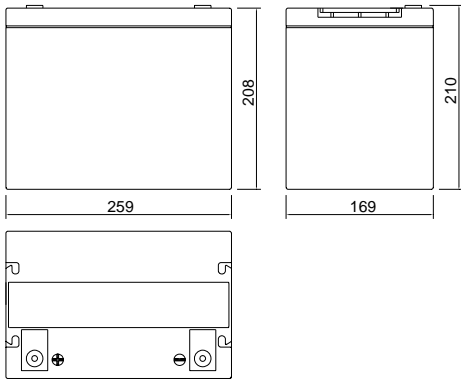


12V75Ah

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



Dimensions and Weight

Length (mm / inch)259 / 10.2
Width (mm / inch)169 / 6.65
Height (mm / inch)208 / 8.19
Total Height (mm / inch)210 / 8.27
Approx.Weight(Kg / lbs)22.5 / 49.50

Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	5 years
Nominal Capacity 77°F(25°C)	
20 hour rate(3.75A,10.5V)	75Ah
10 hour rate(6.97A,10.5V)	69.7Ah
5 hour rate (12.78A,10.5V)	63.9Ah
1 hour rate(48.7A,9.6V)	48.7Ah
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)	900A(5s)
Short Circuit Current	1125A

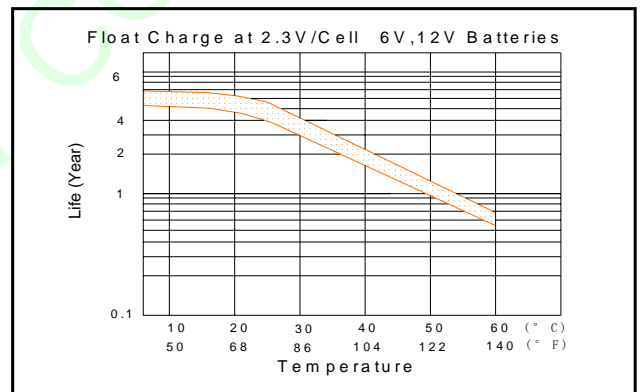
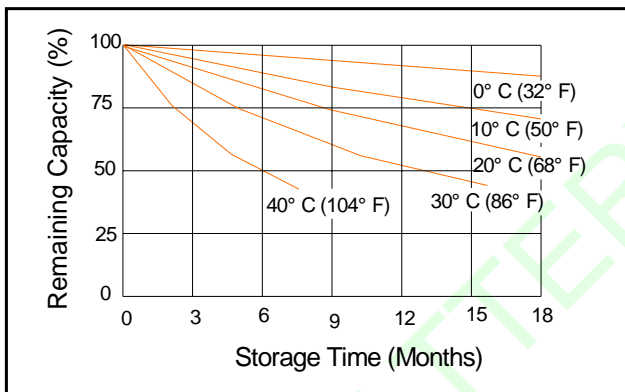
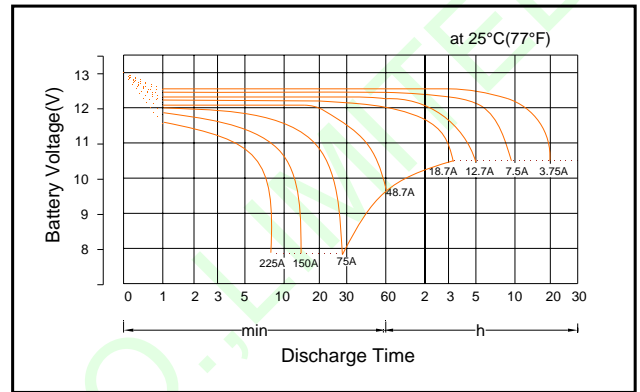
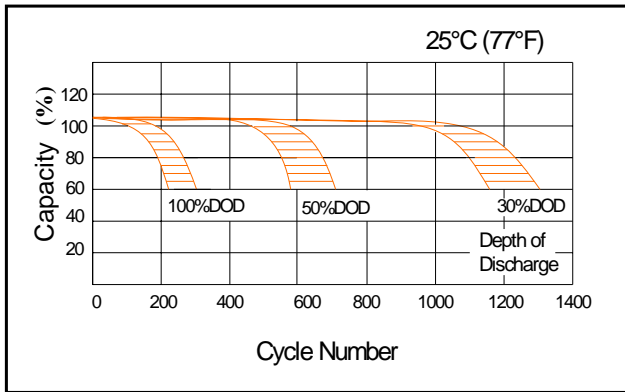
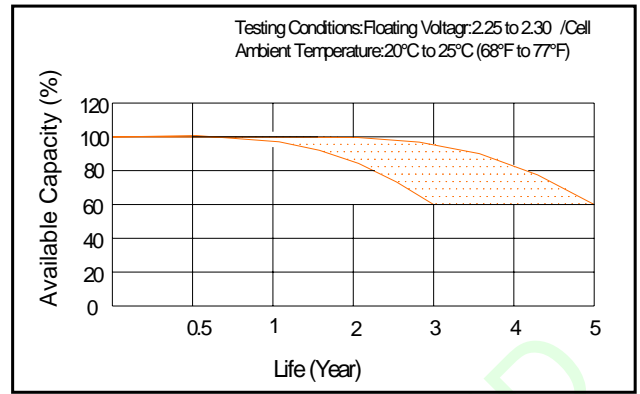
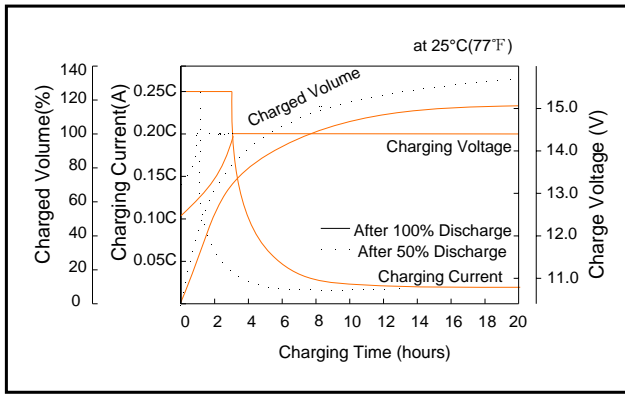
Battery Construction

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)	13.4-13.8V	-18 mV/° C	22.5A	24	20	0~40 (32~104° F)
For cycle service		14.5-15.0V	-30 mV/° C	22.5A	16	10	

12V75Ah



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	263	210	150	86.3	61.5	48.8	26.3	19.0	12.9	8.48	7.05	3.83
1.65V	255	203	143	84.8	60.8	48.4	26.0	18.9	12.8	8.48	7.05	3.83
1.70V	240	188	135	82.5	60.0	48.0	25.9	18.8	12.8	8.40	6.98	3.75
1.75V	210	158	128	78.0	59.3	47.3	25.5	18.5	12.8	8.33	6.98	3.75
1.80V	188	135	120	67.5	58.5	46.5	24.8	18.0	12.6	8.33	6.83	3.68

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	478	383	276	167	117	93.8	50.4	36.6	24.9	16.4	13.7	7.50
1.65V	458	368	261	161	116	92.3	50.1	36.4	24.8	16.4	13.7	7.50
1.70V	437	346	249	154	114	92.3	49.7	36.2	24.6	16.4	13.7	7.43
1.75V	383	292	235	145	113	90.8	49.0	35.8	24.6	16.1	13.5	7.28
1.80V	341	263	221	125	111	89.3	47.5	34.7	24.4	16.1	13.3	7.13

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