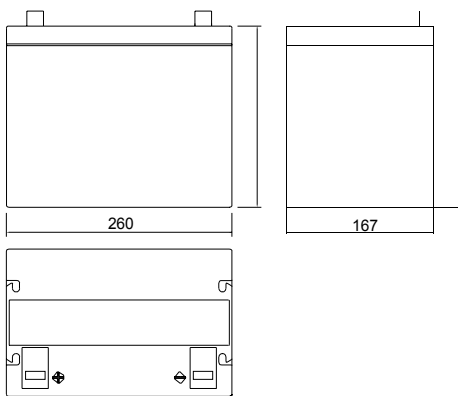




12V70Ah

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)	260 / 10.24
Width (mm / inch)	167 / 6.57
Height (mm / inch)	209 / 8.23
Total Height (mm / inch)	228 / 8.98
Approx.Weight(Kg / lbs)	20.5 / 45.10

Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	5 years
Nominal Capacity 77°F(25°C)	
20 hour rate(3.5A, 10.5V)	70Ah
10 hour rate(6.51A, 10.5V)	65.1Ah
5 hour rate (11.9A, 10.5V)	59.5Ah
1 hour rate(45.5A, 9.6V)	45.5Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	8mΩ
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)	840A(5s)
Short Circuit Current	1050A

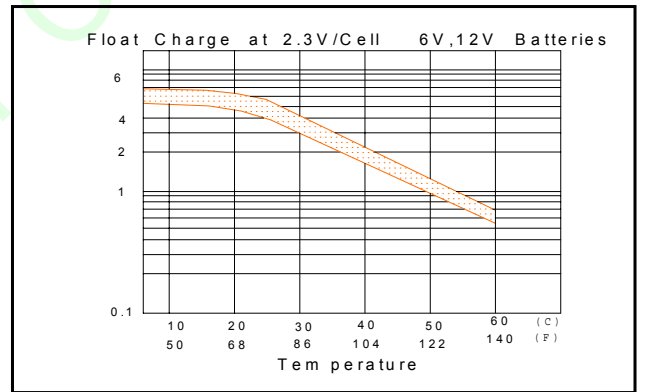
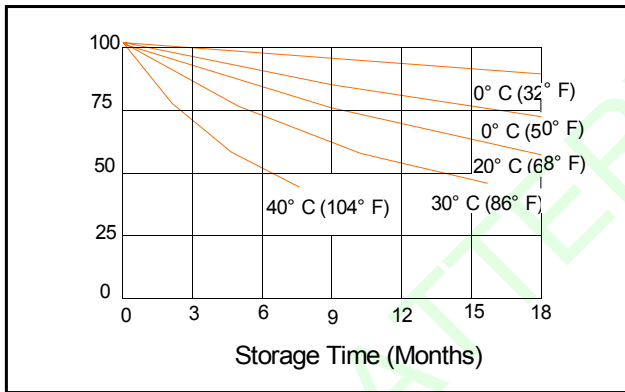
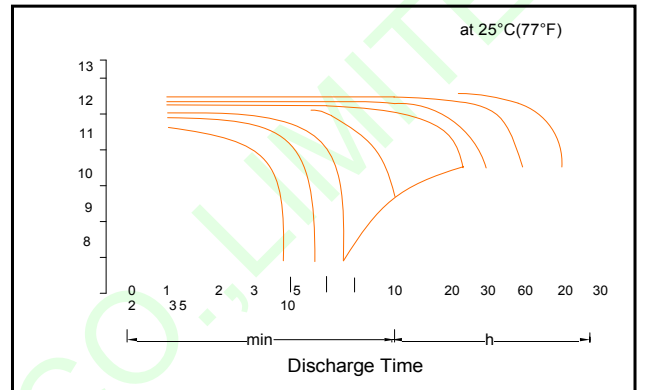
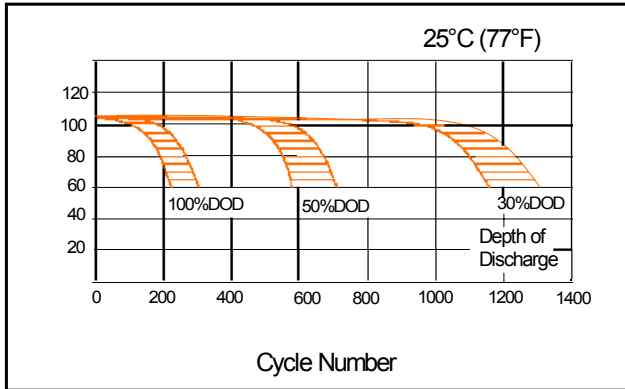
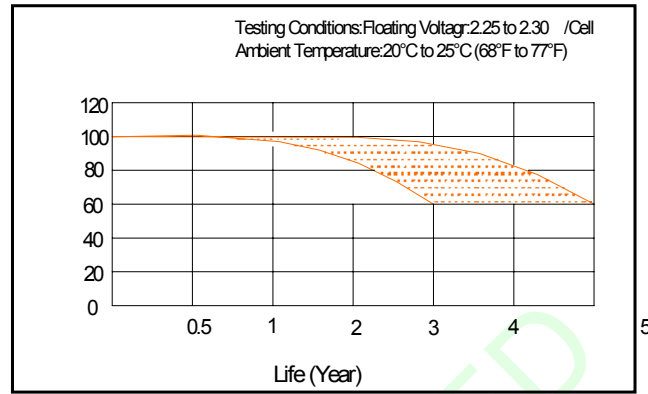
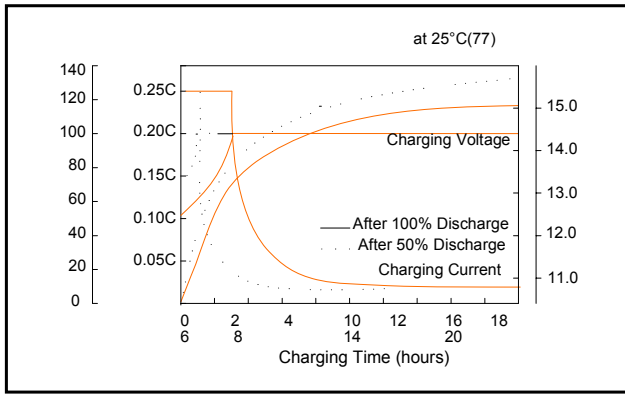
Battery Construction

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 25C	Temperature compensation coefficient of charging voltage	Max.charging current	Charging time 25°C(h)		Temp (C)
					100% discharge	50% discharge	
For standby power source	Constant voltage & Constant Current Charging (with current restriction)	13.4-13.8V	-18 mV/C	21A	24	20	0~40 (32~104 F)
For cycle service		14.5-15.0V	-30 mV/C	21A	16	10	

12V70Ah



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	245	196	140	80.5	57.4	45.5	24.5	17.7	12.1	7.91	6.58	3.57
1.65V	238	189	133	79.1	56.7	45.2	24.3	17.7	12.0	7.91	6.58	3.57
1.70V	224	175	126	77.0	56.0	44.8	24.2	17.5	11.9	7.84	6.51	3.50
1.75V	196	147	119	72.8	55.3	44.1	23.8	17.3	11.9	7.77	6.51	3.50
1.80V	175	126	112	63.0	54.6	43.4	23.1	16.8	11.7	7.77	6.37	3.43

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	446	358	258	156	109	87.5	47.1	34.1	23.3	15.3	12.8	7.00
1.65V	428	343	243	151	108	86.1	46.7	34.0	23.1	15.2	12.8	7.00
1.70V	408	323	232	144	107	86.1	46.4	33.8	22.9	15.2	12.8	6.93
1.75V	357	272	220	135	105	84.7	45.7	33.4	22.9	15.1	12.6	6.79
1.80V	319	245	207	117	103	83.3	44.3	32.4	22.8	15.1	12.4	6.65

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