
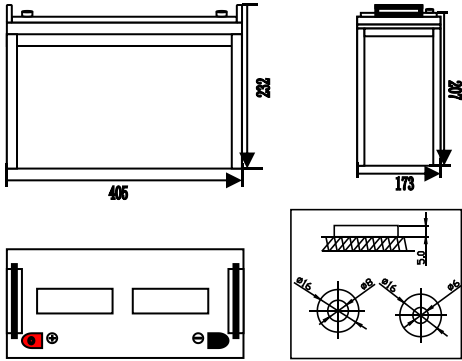


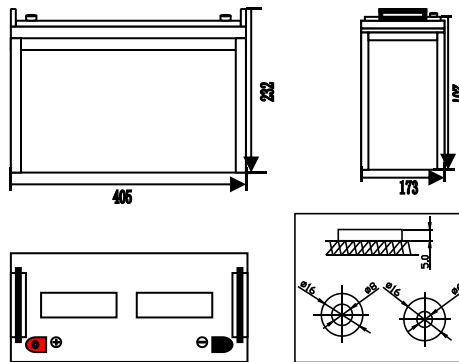


# SHENZHEN XBATT ENERGY TECHNOLOGY CO.,LTD

## XC121200(12V120AH-G)

Specification		Product Picture	
Nominal Voltage	12V		
Nominal Capacity (20HR)	120.0AH		
Product Series	GEL		
Dimensions	Length		405±2mm (15.91inches)
	Width		173±2mm (6.80inches)
	Container Height		207±3mm (8.14inches)
	Total Height(with Terminal)		232±3mm (9.13inches)
Approx Weight	35.5kg/78.1 lbs		
Terminal	M6-16/M8-16		
Rated Capacity	120AH/6.0A		(20HR, 10.80V, 25°C/77°F)
	114AH/11.4A	(10HR, 10.80V, 25°C/77°F)	
	96AH/19.2A	(5HR, 10.80V, 25°C/77°F)	
	84AH/28.0A	(3HR, 10.80V, 25°C/77°F)	
Max. Discharge Current	1500A(5s)		
	Internal Resistance	Approx 4mΩ	
Operating Temp. Range	Discharge:	-35~50°C (-31~122°F)	
	Charge:	-20~40°C (-4~104°F)	
	Storage:	-45~40°C (-49~104°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	<h3>Outer Dimensions</h3> 	
Cycle Use	Initial Charging Current less than 36.0A. Voltage 14.6V~14.9V at 25°C (77°F) Temp. Coefficient -5mV/°C		
	Standby Use		Initial Charging Current less than 36.0A Voltage 13.6V~13.9V at 25°C (77°F) Temp. Coefficient -3mV/°C
Capacity affected by Temperature			40°C 104°F
	25°C 77°F		100%
	0°C 32°F		95%
Self Discharge	Xbatt GEL series batteries may be stored for up to 12 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter		
Design Life	15 years		

### Outer Dimensions



### Applications

- ◆ Tele-communication central station (wired or cellular)
- ◆ Power system communication military communication, etc.
- ◆ Uninterruptable Power System (UPS-for Telecom)
- ◆ Electric tool
- ◆ Solar Powered system
- ◆ Medical equipment

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

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
9. 60V	400	319	228	131.2	93.5	75.7	40.8	29.4	19.6	11.63	6.11
9. 90V	388	308	217	128.9	92.4	75.1	40.4	29.3	19.4	11.63	6.11
10. 20V	365	286	205	125.4	91.2	74.5	40.2	29.2	19.4	11.63	6.00
10. 50V	319	240	194	118.6	90.1	73.3	39.6	28.8	19.4	11.40	6.00
10. 80V	286	205	182	102.6	88.9	72.1	38.4	28.0	19.2	11.40	6.00

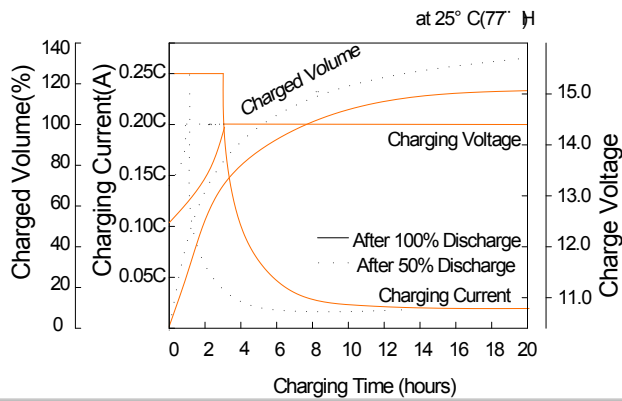
### Constant Power Discharge (Watts at 77°F/25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1. 60V	726	582	420	254.3	177.8	145.6	78.2	56.8	37.8	20.87	11.99
1. 65V	696	559	397	245.2	175.6	143.2	77.8	56.4	37.7	20.75	11.99
1. 70V	664	526	378	233.8	173.3	143.2	77.0	56.3	37.4	20.75	11.87
1. 75V	582	444	356	220.1	171.0	140.9	76.0	55.6	37.4	20.52	11.63
1. 80V	518	400	336	190.4	168.7	138.5	73.7	53.9	37.1	20.18	11.39

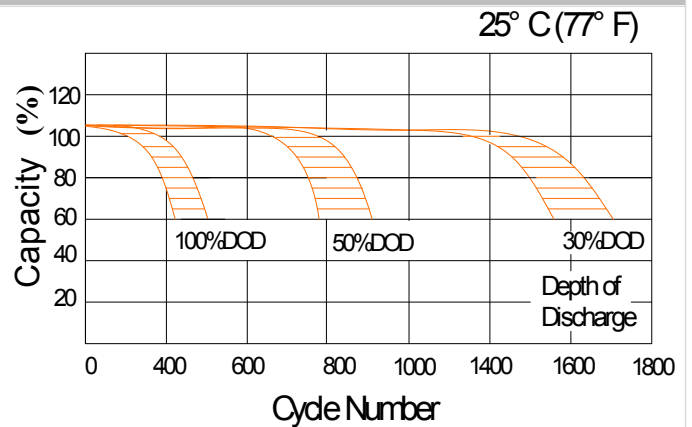
**Battery Construction**

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

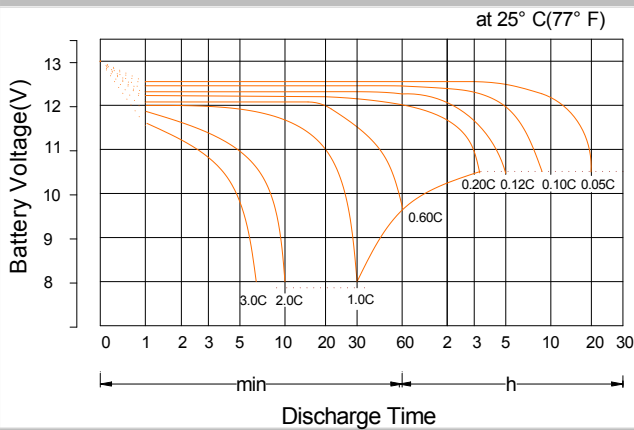
**Charging characteristics**



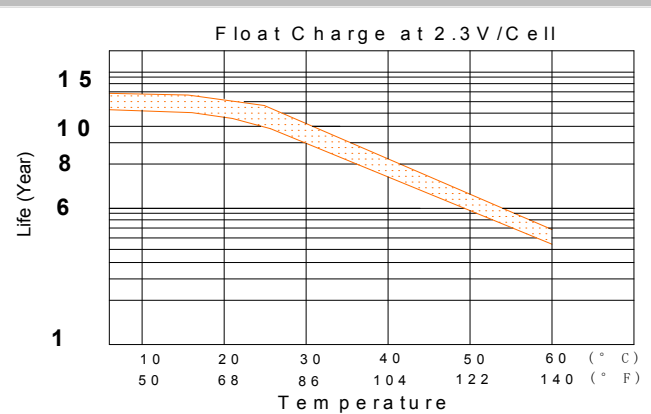
**Cycle Life in Relation to Depth of Discharge**



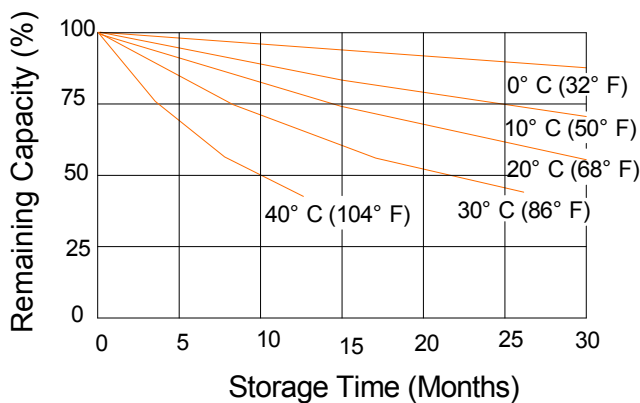
**Discharge characteristics**



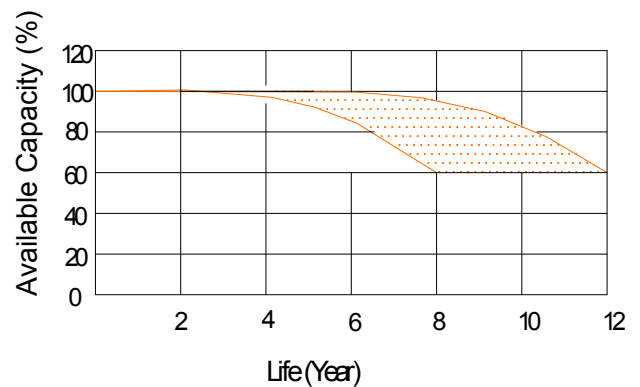
**Effect of Temperature on Long Term Float Life**



**Storage characteristics**



**Float charge Life**



**Consultation**

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