


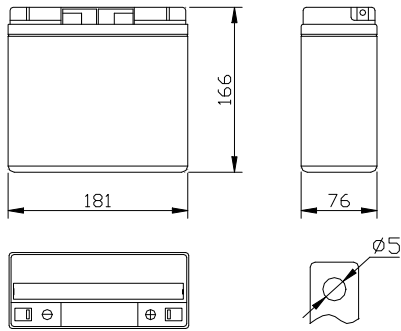
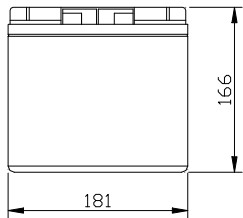


# SHENZHEN XBATT ENERGY TECHNOLOGY CO.,LTD

## XC12170(12V17AH)

Specification		Product Picture	
Nominal Voltage	12V		
Nominal Capacity (20HR)	17.0AH		
Product Series	Standby		
Dimensions	Length		181±2mm (7.12inches)
	Width		76±2mm (3.00inches)
	Container Height		166±3mm (6.53inches)
	Total Height(with Terminal)		166±2mm (6.53inches)
Approx Weight	4.90 kg/10.78 lbs		
Terminal	L1		
Rated Capacity	17.5AH/0.87A		(20HR,10.80V,25°C/77°F)
	17.0AH/1.70A	(10HR,10.80V,25°C/77°F)	
	14.45AH/2.89A	(5HR,10.80V,25°C/77°F)	
	12.75AH/4.25A	(3HR,10.80V,25°C/77°F)	
Max.Discharge Current	11.05AH/11.05A	(1HR,10.20V,25°C/77°F)	
	255A(5s)		
	Internal Resistance		Approx 12mΩ
Operating Temp.Range	Discharge:	-15~50°C(5~122°F)	
	Charge:	0~40°C(32~104°F)	
	Storage:	-15~40°C(5~104°F)	
Nominal Operating Temp.Range	25±3°C(77±5°F)		
Cycle Use	Initial Charging Current less than 5.1A.Voltage 14.6V~14.9V at 25°C(77°F) Temp.Coefficient -5mV/°C		
Standby Use	Initial Charging Current less than 5.1A Voltage 13.6V~13.9V at 25°C(77°F) Temp.Coefficient -3mV/°C		
Capacity affected by Temperature	40°C 104°F	103%	
	25°C 77°F	100%	
	0°C 32°F	80%	
Self Discharge	Xbatt batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter		
Design Life	5 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 equipmen

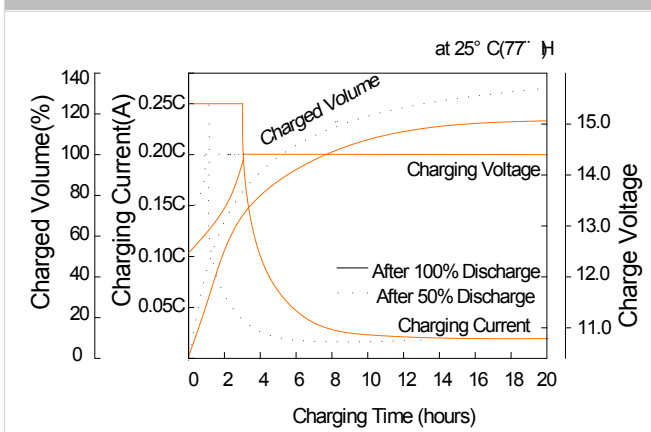
Discharge Constant Current (Amperes at 77°F/25°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h	
9.60V	57.1	45.6	32.6	18.7	13.94	11.05	5.95	4.29	2.92	1.73	0.89	
9.90V	55.4	43.9	30.9	18.3	13.77	10.96	5.89	4.28	2.90	1.71	0.89	
10.20V	52.1	40.8	29.3	18.0	13.60	10.88	5.86	4.25	2.89	1.71	0.89	
10.50V	45.6	34.3	27.6	17.0	13.43	10.71	5.78	4.19	2.89	1.70	0.88	
10.80V	40.8	29.3	26.1	14.6	13.26	10.54	5.61	4.08	2.85	1.70	0.88	

Constant Power Discharge (Watts at 77°F/25°C)												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h	
9.60V	623.3	501.5	359.8	218.2	158.7	127.5	68.4	49.7	33.72	18.70	10.20	
9.90V	597.8	478.8	341.4	209.7	155.8	125.4	68.1	49.4	33.57	18.42	10.20	
10.20V	569.5	451.9	324.4	199.7	154.4	125.4	67.4	49.3	33.43	18.42	10.09	
10.50V	498.7	379.7	306.0	188.4	153.0	123.4	66.6	48.6	33.43	18.27	9.89	
10.80V	444.8	342.8	289.0	162.9	150.2	121.3	64.6	47.2	33.15	17.99	9.69	

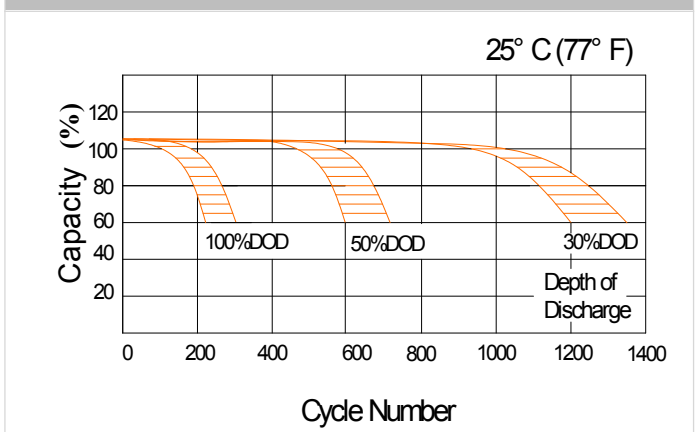
**Battery Construction**

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

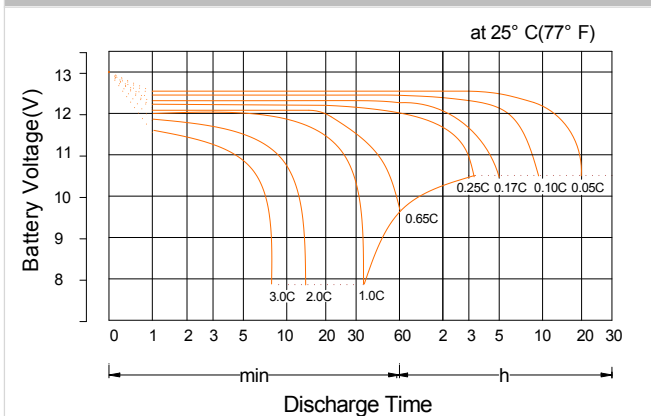
**Charging characteristics**



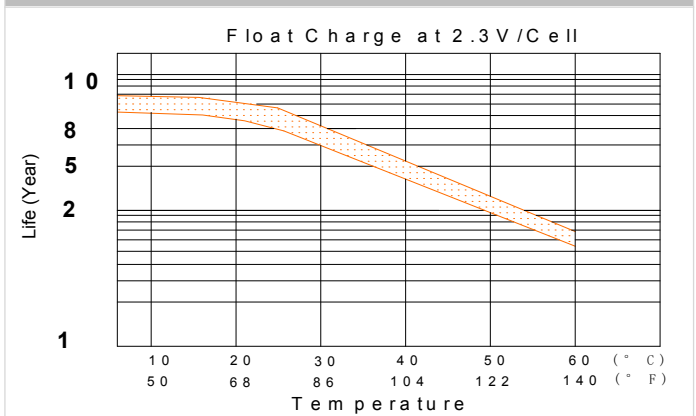
**Cycle Life in Relation to Depth of Discharge**



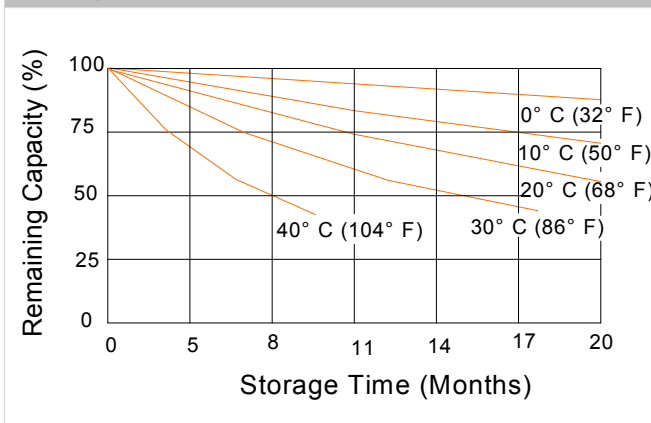
**Discharge characteristics**



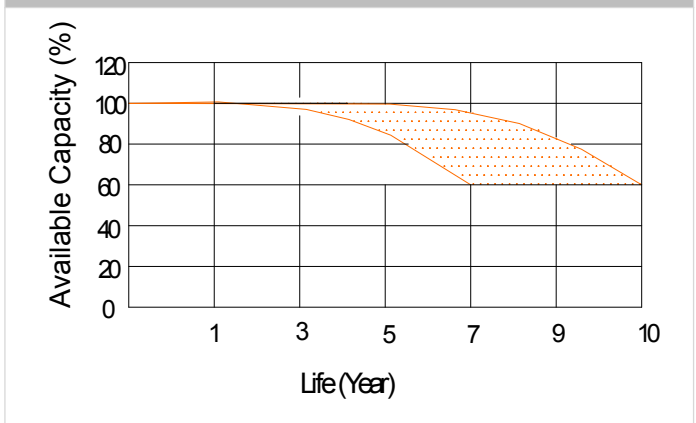
**Effect of Temperature on Long Term Float Life**



**Storage characteristics**



**Float charge Life**



**Consultation**

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