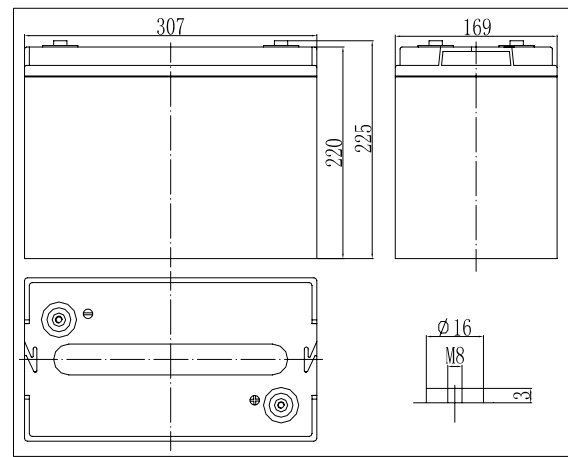


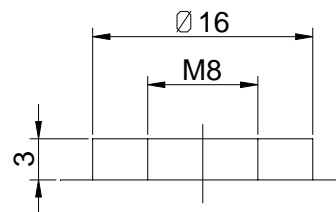
**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	180 Ah
	5HR(5.25V)	157Ah
	1HR(4.80V)	112Ah
Dimension	Length	307 ± 2mm (12.09inch)
	Width	169 ± 2mm (6.65inch)
	Height	220 ± 2mm (8.66inch)
	Total Height	225 ± 2mm (8.86inch)
Approx. Weight		27.5kg (60.6lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 2.2mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)	6.75 to 6.90V Temperature compensation: -9mV/°C	
Cyclic charging voltage(25°C)	7.25 to 7.45V Temperature compensation: -15mV/°C	
Maximum charging current	54A	
Terminal material	Copper	
Maximum discharge current	1400A(5 sec.)	
Designed floating life(20°C)	12 years	

**Dimensions**



**Terminal**



**Terminal T11**

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

**Constant Current Discharge Characteristics (A, 25°C)**

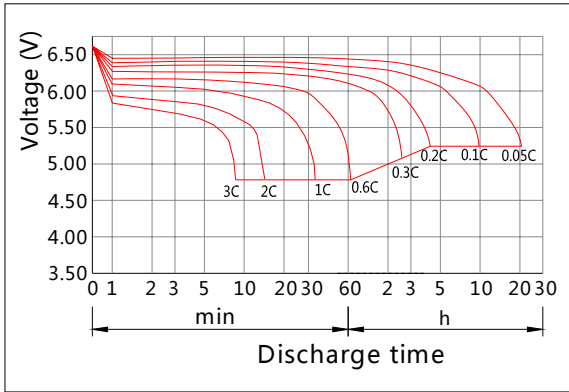
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	297	180	112	65.8	45.9	37.6	32.1	28.1	22.0	18.3	9.62
4.95V	290	176	110	65.4	45.6	37.4	31.9	27.9	21.9	18.3	9.60
5.10V	279	171	107	64.8	45.3	37.2	31.7	27.7	21.8	18.2	9.57
5.25V	270	167	105	63.8	45.0	36.9	31.5	27.5	21.6	18.1	9.52
5.40V	255	161	102	62.2	43.7	35.8	30.6	26.7	21.0	18.0	9.45

**Constant Power Discharge Characteristics (Watt, 25°C)**

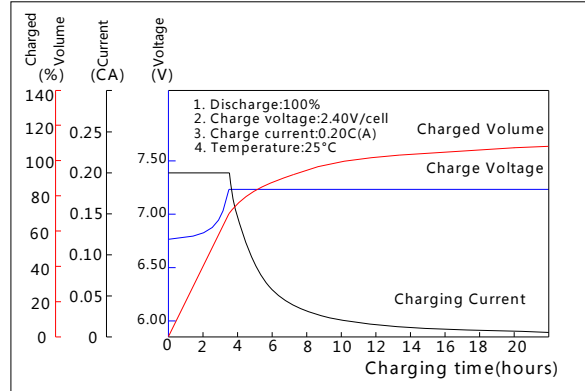
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	1631	1010	636	381	270	221	190	166	131	109	57.7
4.95V	1591	990	627	379	268	220	189	165	130	109	57.6
5.10V	1533	959	611	375	266	218	187	164	129	109	57.4
5.25V	1481	936	599	370	265	217	186	163	128	108	57.1
5.40V	1402	902	580	360	257	210	181	158	124	107	56.7

Note: The above characteristics data can be obtained within three charge/discharge cycles.

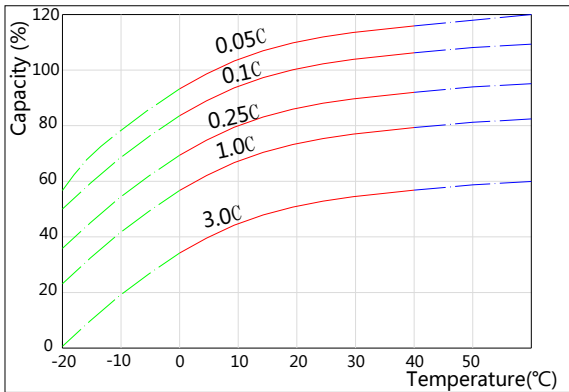
Discharge Characteristics(25°C)



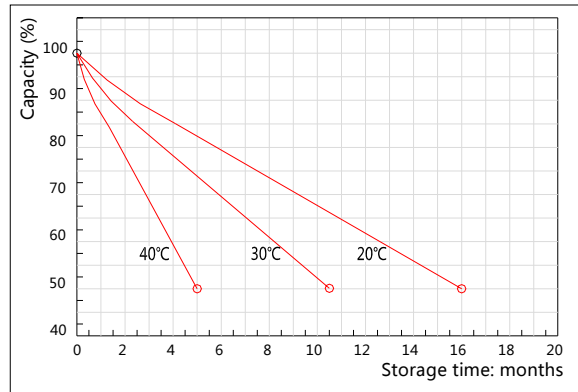
Charging Characteristics(25°C)



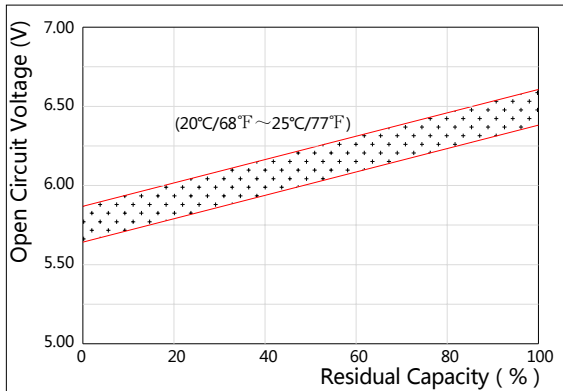
Effect of Temperature on Capacity



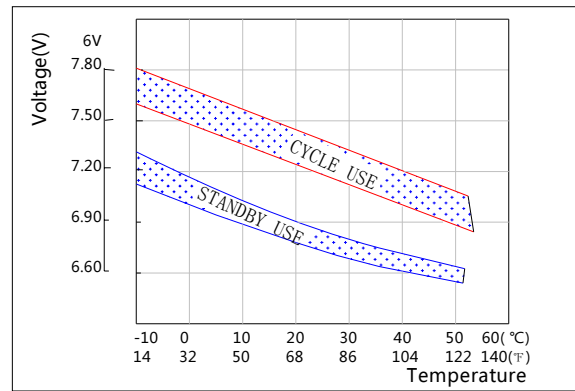
Self-discharge Characteristics



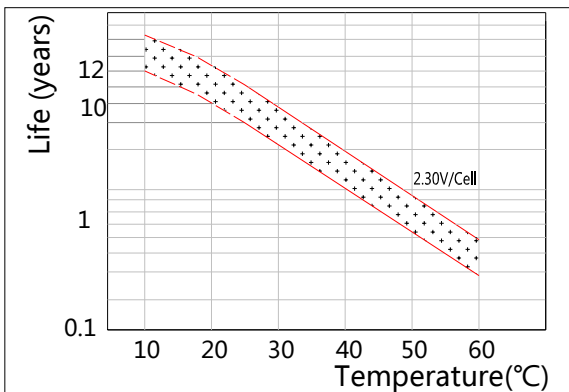
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

