

Specifications

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	400 Ah
	5HR(5.25V)	350Ah
	1HR(4.80V)	248Ah
Dimension	Length	295±2mm (11.61inch)
	Width	180±2mm (7.09inch)
	Height	405±2mm (15.94inch)
	Total Height	426±2mm (16.77inch)
Approx. Weight		55kg (121lbs) ±4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 1.3m Ω
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		120A
Terminal material		Copper
Maximum discharge current		2000A(5 sec.)
Designed floating life(20°C)		12 years

- ◆ 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	---	400	248	146.2	102.0	83.6	71.4	62.4	49.0	40.7	21.4
4.95V	---	392	244	145.3	101.4	83.1	71.0	62.1	48.7	40.6	21.3
5.10V	---	380	238	144.0	100.7	82.6	70.5	61.6	48.3	40.5	21.3
5.25V	---	371	233	141.8	100.0	82.0	70.0	61.2	48.0	40.3	21.1
5.40V	---	357	226	138.2	97.0	79.5	67.9	59.4	46.6	40.0	21.0

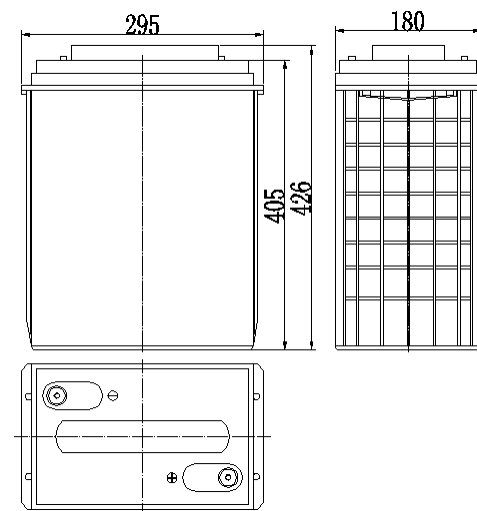
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	---	2244	1414	846	600	492	422	369	291	243	128
4.95V	---	2199	1392	841	596	489	419	367	289	243	128
5.10V	---	2132	1357	834	592	486	417	364	287	242	128
5.25V	---	2080	1330	821	588	482	414	362	285	240	127
5.40V	---	2004	1289	800	570	468	401	351	277	239	126

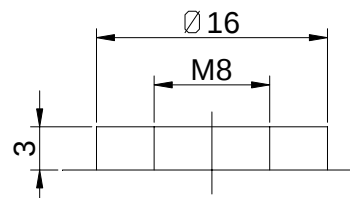
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions

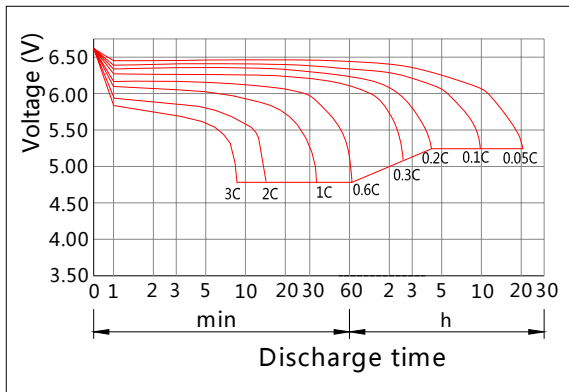


Terminal

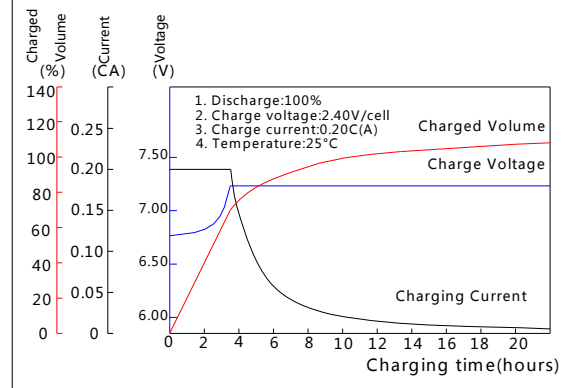


Terminal T11

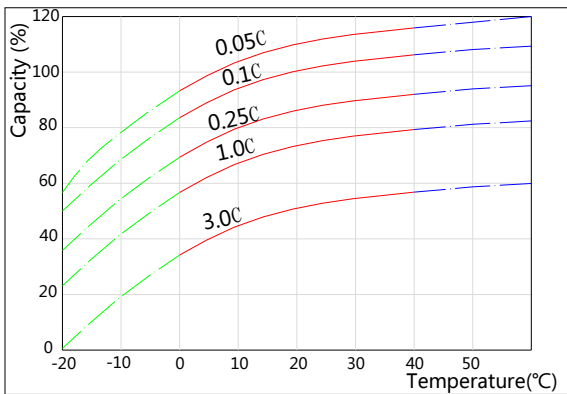
Discharge Characteristics(25°C)



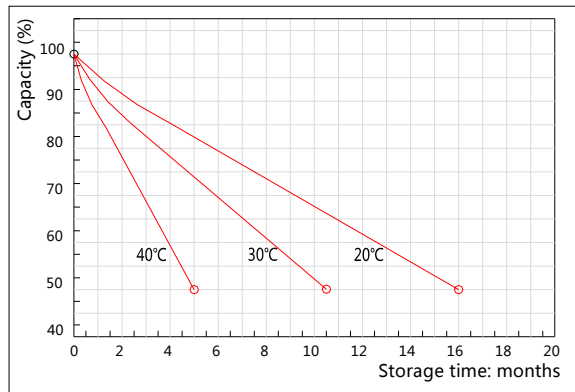
Charging Characteristics(25°C)



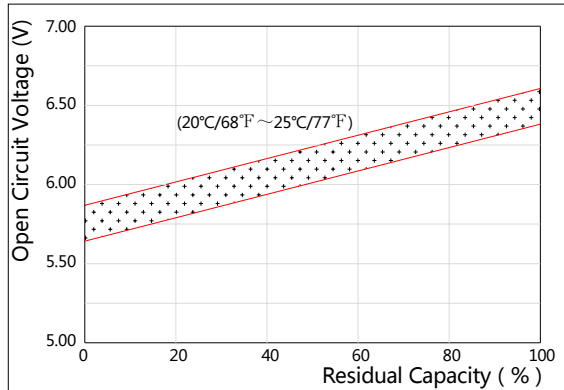
Effect of Temperature on Capacity



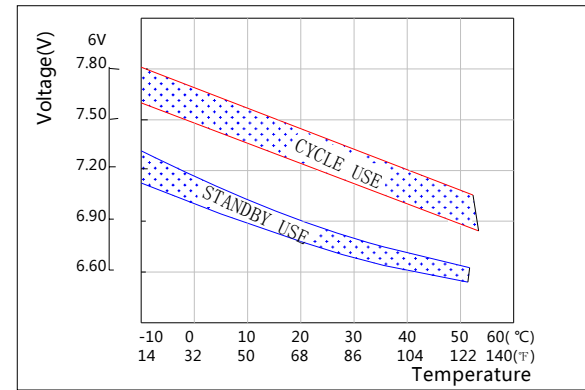
Self-discharge Characteristics



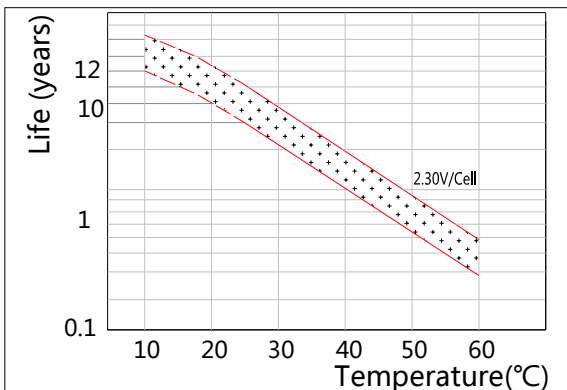
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

