

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.5V)	120Ah
	5HR(10.2V)	93.5Ah
	1HR(9.6V)	69.8Ah
Dimension	Length	406±2mm (15.94inch)
	Width	173±2mm (6.81inch)
	Height	219±2mm (8.62inch)
	Total Height	237±2mm (9.17inch)
Approx. Weight		33.5kg (73.8lbs)
±4% Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 4.4mΩ
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
Nominal operating temperature		25°C±3°C(77°F±5°F)
Operating temperature range	Discharge	-15°C ~ 50°C(5°F ~ 131°F)
	Charge	-10°C ~ 50°C(14°F ~ 131°F)
	Storage	-20°C ~ 50°C(-4°F ~ 131°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		24A
Terminal material		Copper
Maximum discharge current		1200A(5 sec.)
Designed floating life(20°C)		15 years

- Gelled electrolyte technology;
- PVC separator;
- Recognized by CE;
- ABS container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	200	121	75.1	43.8	30.6	25.1	21.4	18.7	14.7	12.2	6.41
9.90V	195	119	74.0	43.6	30.4	24.9	21.3	18.6	14.6	12.2	6.40
10.2V	188	115	72.1	43.2	30.2	24.8	21.1	18.5	14.5	12.2	6.38
10.5V	182	112	70.7	42.6	30.0	24.6	21.0	18.4	14.4	12.1	6.34
10.8V	172	108	68.5	41.5	29.1	23.9	20.4	17.8	14.0	12.0	6.30

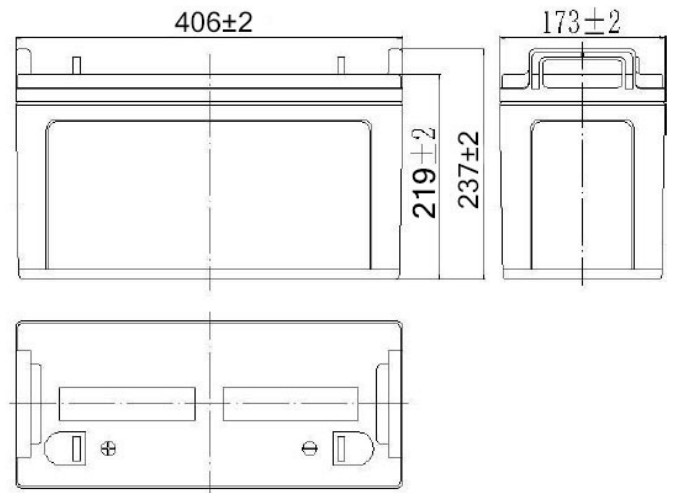
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2196	1360	857	508	360	295	253	221	174	146	77.0
9.90V	2143	1333	844	505	358	293	252	220	173	146	76.8
10.2V	2064	1292	822	500	355	291	250	219	172	145	76.6
10.5V	1994	1261	806	493	353	289	248	217	171	144	76.1
10.8V	1888	1214	781	480	342	281	241	211	166	143	75.6

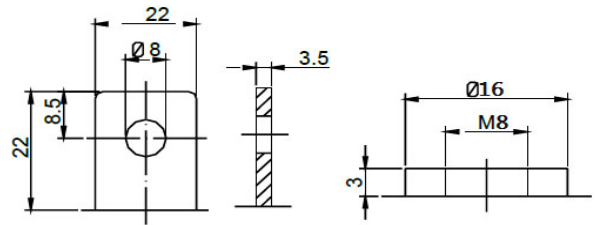
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions



Terminal



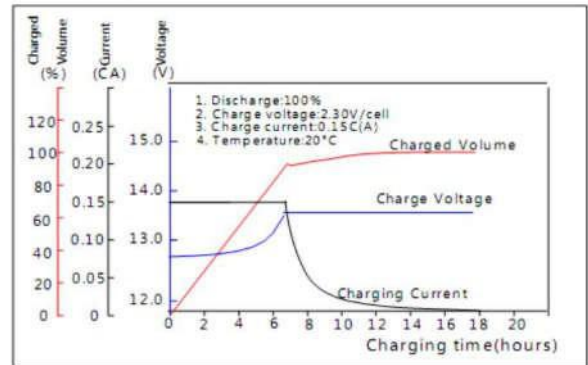
Terminal T5

Terminal T11

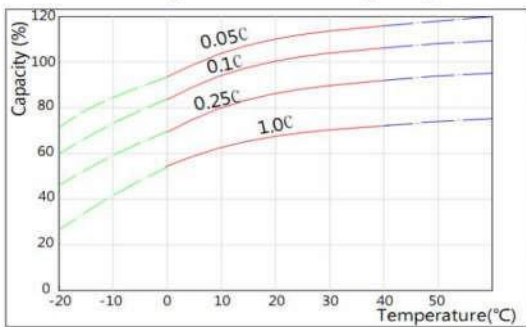
Discharge Characteristics(25°C)



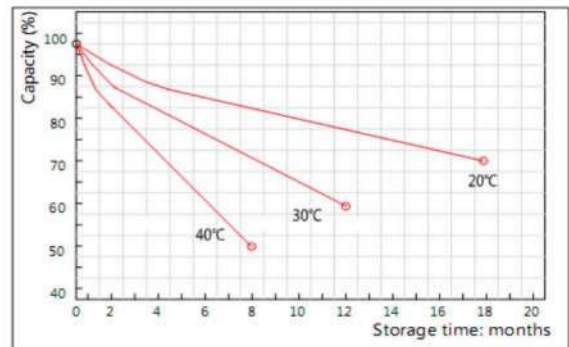
Charging Characteristics(25°C)



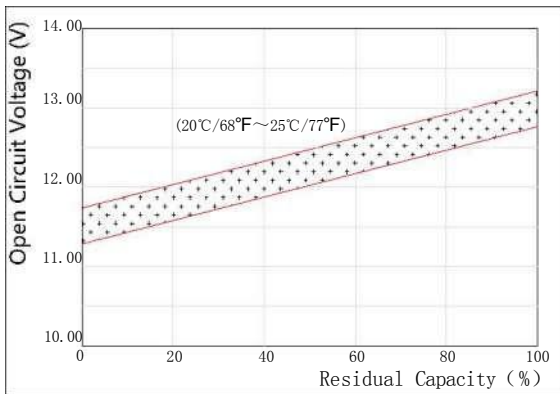
Effect of Temperature on Capacity



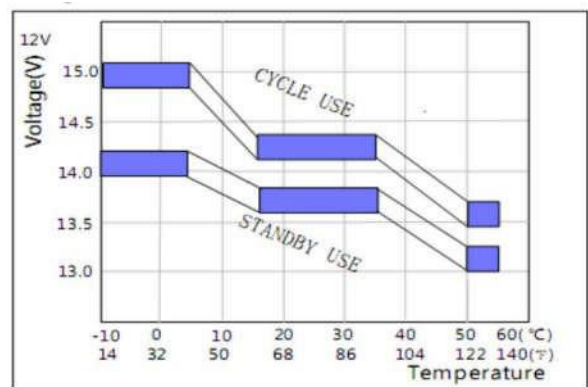
Self-discharge Characteristics



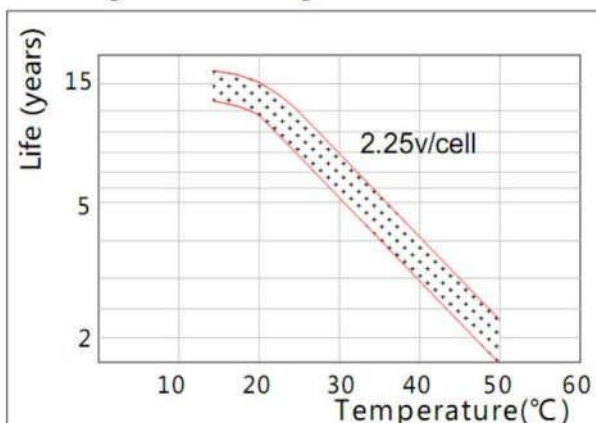
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

