

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	125 Ah
	5HR(10.5V)	109Ah
	1HR(9.60V)	77Ah
Dimension	Length	436 ± 2mm (17.17inch)
	Width	108 ± 2mm (4.25inch)
	Height	317 ± 2mm (12.48inch)
	Total Height	317 ± 2mm (12.48inch)
Approx. Weight		38kg (83.8lbs) ± 4%
Internal resistance (Fully charged, 25°C)		Approx. 4.2m 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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		37.5A
Terminal material		Copper
Maximum discharge current		1000A(5 sec.)
Designed floating life(20°C)		15 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
9.60V	202	123	77.5	45.7	31.9	26.1	22.3	19.5	15.3	12.7	6.68
9.90V	197	120	76.3	45.4	31.7	26.0	22.2	19.4	15.2	12.7	6.67
10.2V	190	116	74.4	45.0	31.5	25.8	22.0	19.3	15.1	12.7	6.65
10.5V	184	114	72.9	44.3	31.3	25.6	21.9	19.1	15.0	12.6	6.61
10.8V	174	109	70.7	43.2	30.3	24.9	21.2	18.6	14.6	12.5	6.56

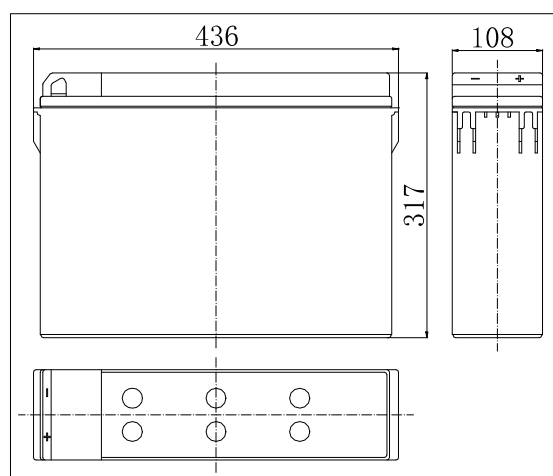
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2219	1374	884	529	375	307	264	231	182	152	80.2
9.90V	2166	1347	870	526	373	306	262	229	181	152	80.0
10.2V	2086	1306	848	521	370	303	260	228	179	151	79.8
10.5V	2015	1274	831	513	368	301	259	226	178	150	79.3
10.8V	1909	1227	806	500	356	292	251	219	173	149	78.8

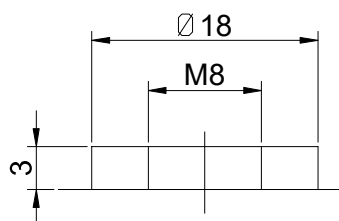
Note: The above characteristics data can be obtained within three charge/discharge cycles.



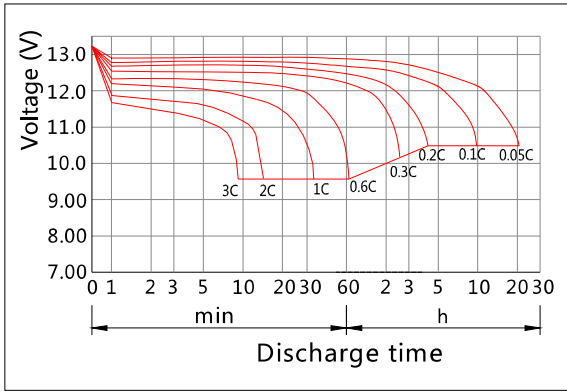
Dimensions



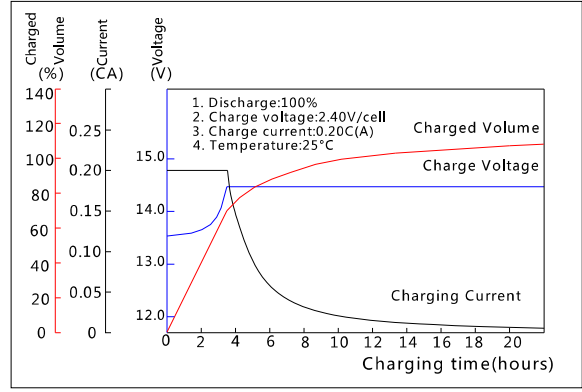
Terminal



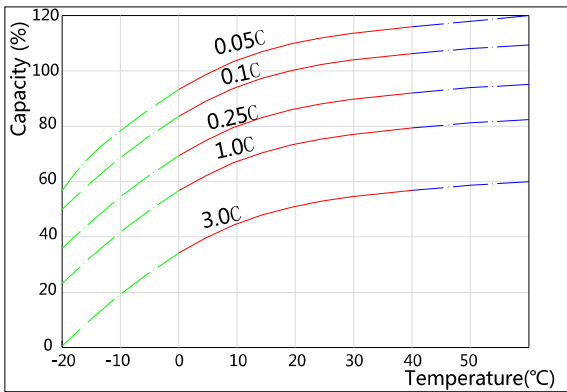
Discharge Characteristics(25°C)



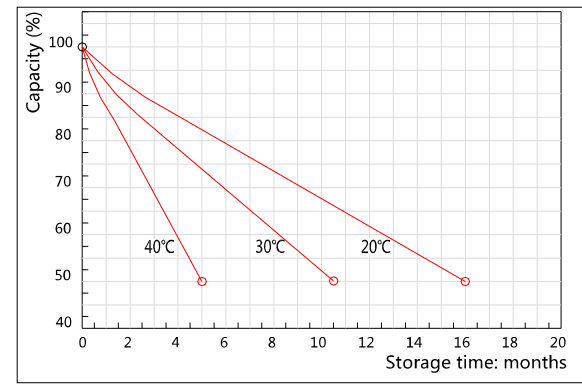
Charging Characteristics(25°C)



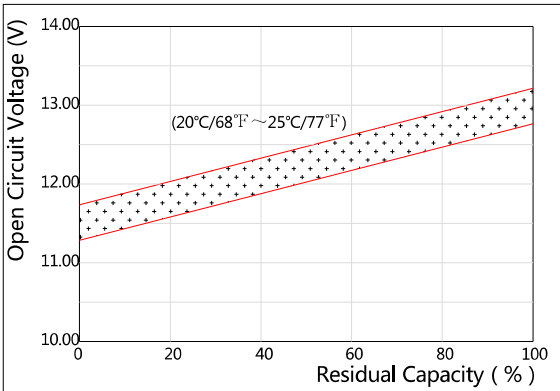
Effect of Temperature on Capacity



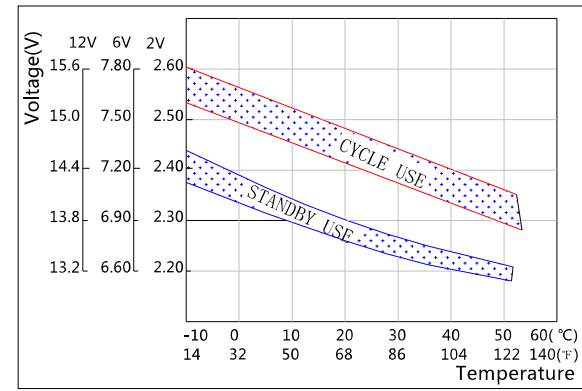
Self-discharge Characteristics



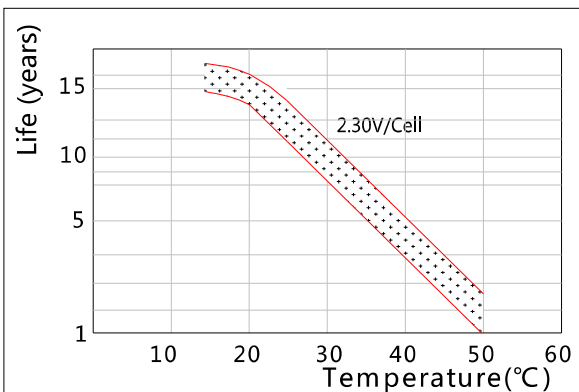
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

