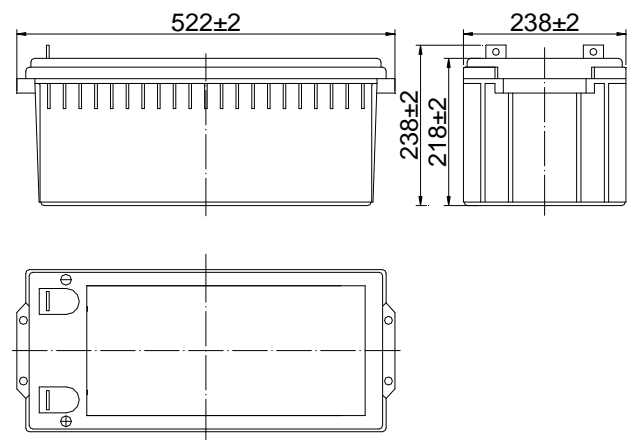


Specifications

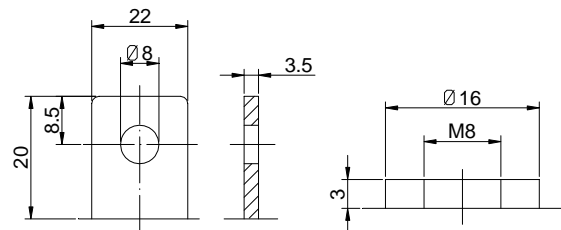
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	200 Ah
	5HR(10.5V)	170Ah
	1HR(9.60V)	116Ah
Dimension	Length	522 ± 2mm (20.55inch)
	Width	238 ± 2mm (9.37inch)
	Height	218 ± 2mm (8.58inch)
	Total Height	T5: 238 ± 2mm (9.37inch) T11: 221 ± 2mm (8.70inch)
Approx. Weight		60.5kg (133 lbs) ± 4%
Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 3.3m 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 ~ 60°C (5°F ~ 140°F)
	Charge	-10°C ~ 60°C (14°F ~ 140°F)
	Storage	-20°C ~ 60°C (-4°F ~ 140°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.10to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		50A
Terminal material		Copper
Maximum discharge current		1500A(5 sec.)
Designed floating life(20°C)		12-15 years

- ◆ Gelled electrolyte technology;
- ◆ AGM separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Dimensions



Terminal



Terminal T5

Terminal T11

Constant Current Discharge Characteristics (A, 25°C)

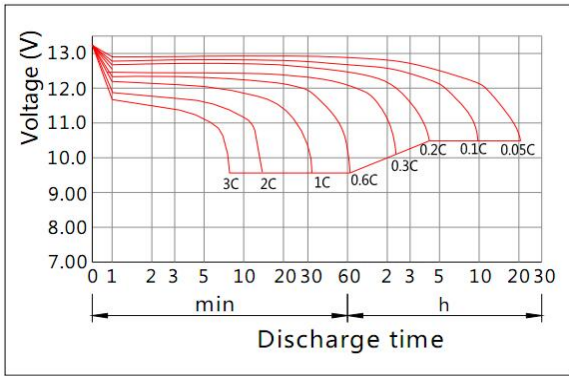
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	605	458	329	199	120	69.0	52.8	42.0	34.9	23.8	19.0	10.3
9.90V	603	455	327	197	118	69.8	52.6	41.8	34.5	23.6	19.0	10.3
10.2V	599	452	325	196	117	68.6	52.3	41.6	34.3	23.4	18.9	10.2
10.5V	592	446	321	193	116	67.8	51.6	41.0	34.0	23.1	18.8	10.2
10.8V	586	442	317	191	115	67.5	51.2	40.6	33.8	22.9	18.8	10.0

Constant Power Discharge Characteristics (Watt, 25°C)

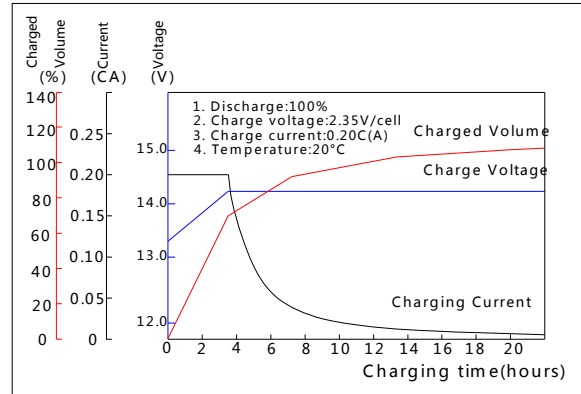
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1152	870	623	376	227	134	100	79.7	66.4	45.1	36.3	19.5
9.90V	1146	864	621	374	225	132	99.8	79.4	66.0	44.8	36.0	19.4
10.2V	1138	857	616	372	223	131	99.1	78.8	65.5	44.5	35.5	19.3
10.5V	1123	846	609	367	221	129	97.8	77.9	64.6	44.0	35.4	19.0
10.8V	1112	838	603	363	218	128	97.0	77.2	64.0	43.6	35.2	18.8

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

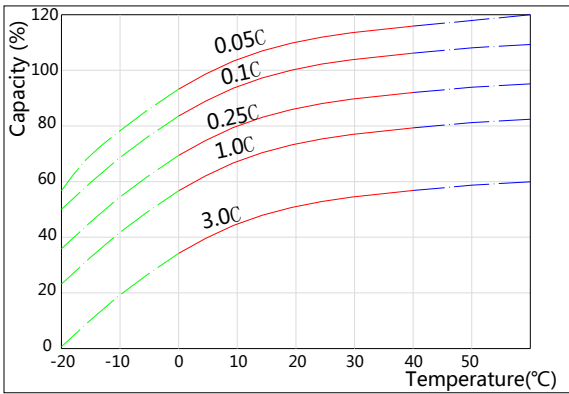
Discharge Characteristics(25°C)



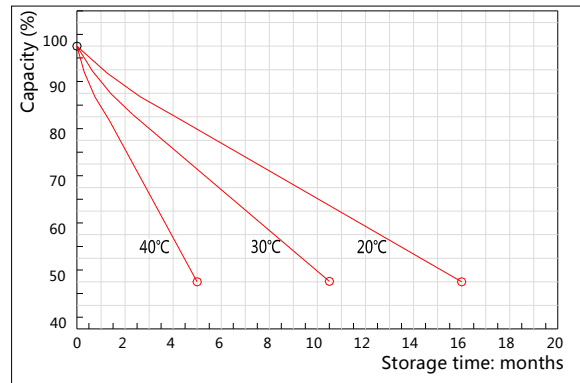
Charging Characteristics(25°C)



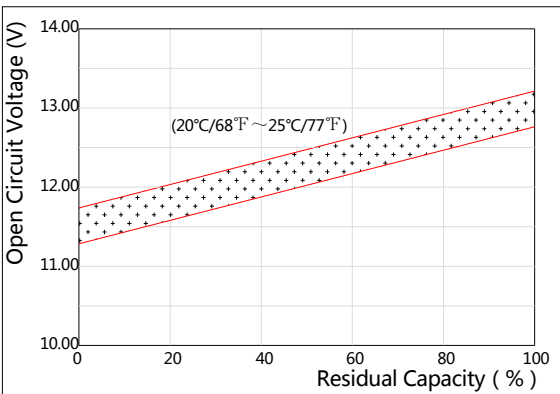
Effect of Temperature on Capacity



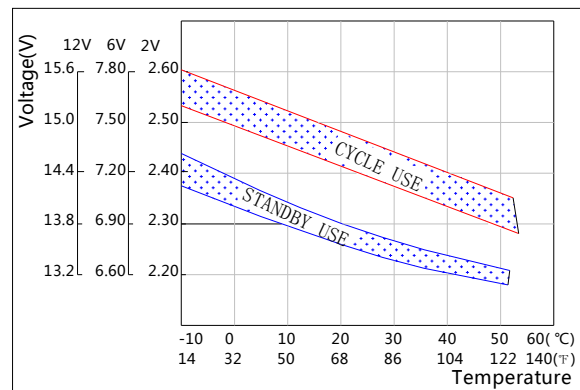
Self-discharge Characteristics



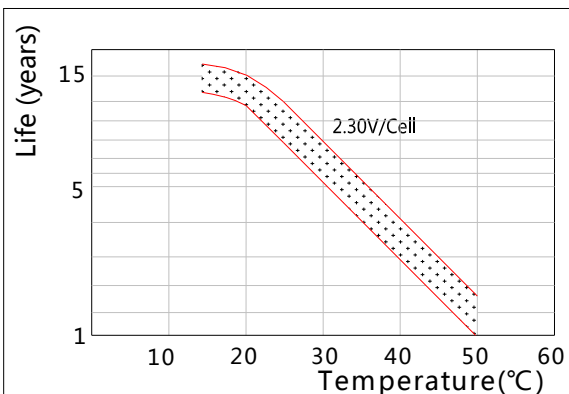
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

