

Specifications

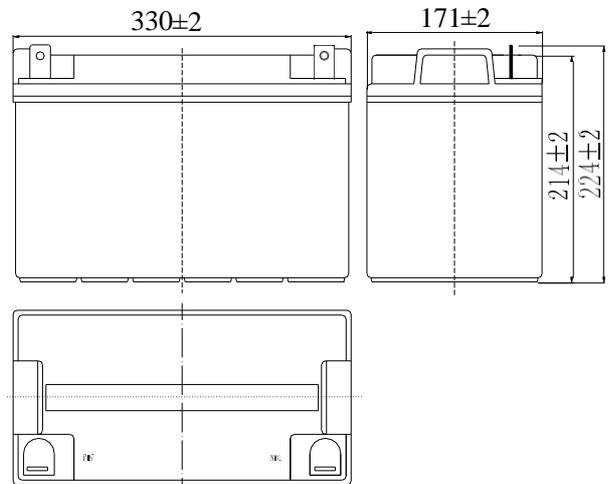
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100 Ah
	5HR(10.5V)	87Ah
	1HR(9.60V)	62Ah
Dimension	Length	330±2mm (12.99inch)
	Width	171±2mm (6.73inch)
	Height	214±2mm (8.43inch)
	Total Height	T5: 224±2mm (8.82inch) T9: 220±2mm (8.66inch)
Approx. Weight		27.5.kg (66.0lbs) ±4%
Terminal type		T5/T9/T11
Internal resistance (Fully charged, 25°C)		Approx. 4.5mΩ
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		30A
Terminal material		Copper
Maximum discharge current		800A(5 sec.)
Designed floating life(20°C)		10~15 years

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

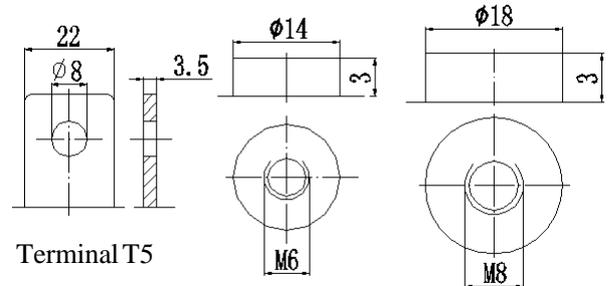
12V Voltage 100Ah Capacity 15years Design Life



Dimensions



Terminal



Terminal T5

Terminal T9

Terminal T11

Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	244.38	182.19	105.47	61.89	37.11	27.26	22.09	18.71	12.44	10.7	5.47
1.65V	237.11	177.41	103.08	60.7	36.52	26.87	21.79	18.41	12.34	10.6	5.42
1.70V	227.56	171.14	100.1	59.2	35.82	26.37	21.49	18.21	12.14	10.4	5.36
1.75V	215.22	162.99	96.02	57.21	34.83	25.77	21	17.81	11.94	10.2	5.29
1.80V	199.4	152.44	90.85	54.63	33.63	24.88	20.3	17.31	11.64	10	5.18

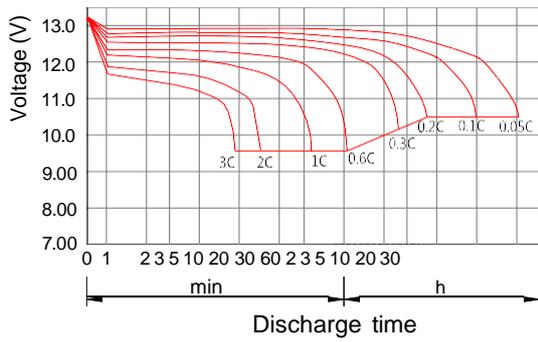
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	421.89	323.38	194.03	117.41	71.34	52.74	43.08	36.52	24.68	21.3	10.9
1.65V	419.9	321.39	193.03	116.42	70.75	52.44	42.79	36.32	24.58	21.1	10.9
1.70V	407.96	312.44	188.06	114.43	69.65	51.54	42.19	35.82	24.28	20.9	10.8
1.75V	392.04	302.49	183.08	110.45	68.06	50.55	41.39	35.12	23.88	20.5	10.6
1.80V	370.15	286.57	174.13	106.47	65.97	49.05	40.2	34.33	23.28	20.1	10.4

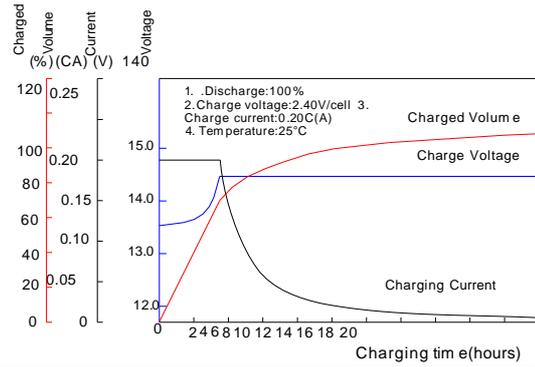


RTS12-100(12V100Ah)

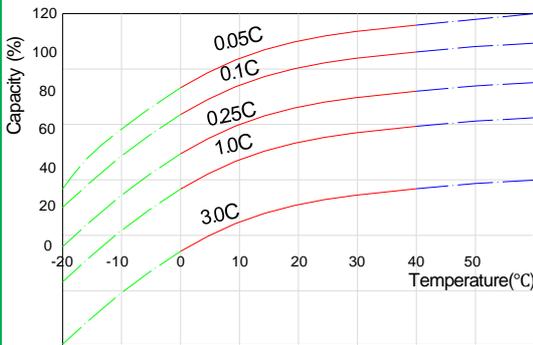
Discharge Characteristics(25°C)



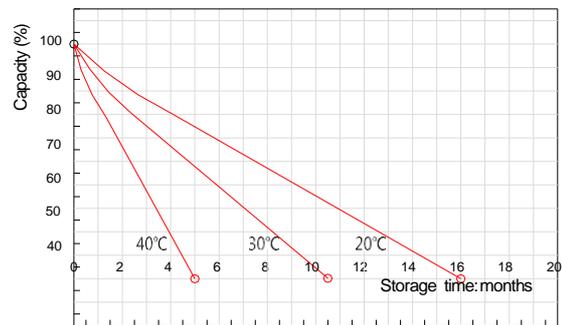
Charging Characteristics(25°C)



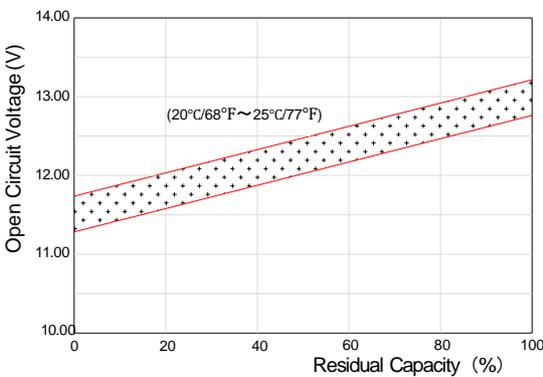
Effect of Temperature on Capacity



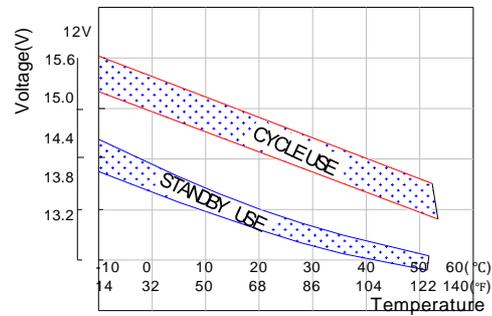
Self-discharge Characteristics



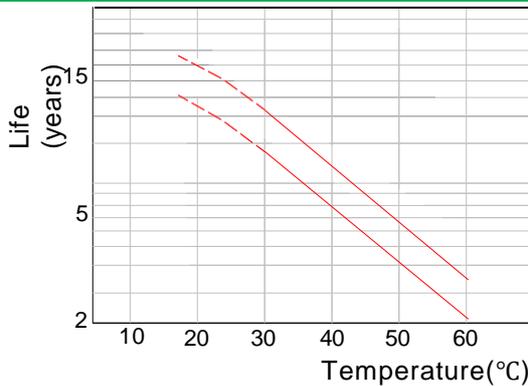
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

