

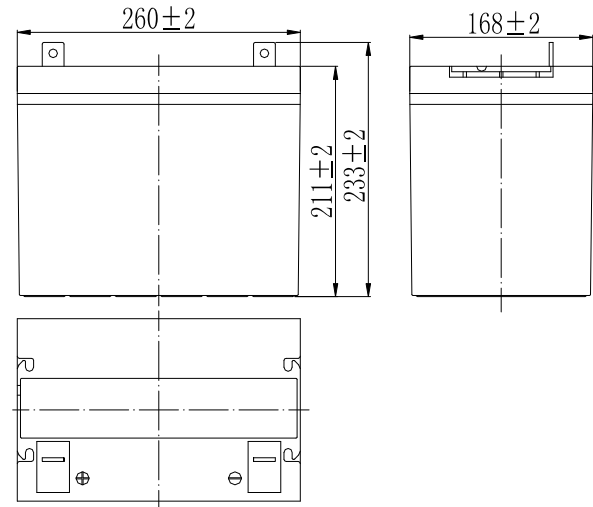
Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	75 Ah
	5HR(10.5V)	73 Ah
	1HR(9.60V)	50.3 Ah
Dimension	Length	260mm±2 (10.24inch)
	Width	168mm±2 (6.61inch)
	Height	211mm±2 (8.31inch)
	Total Height	T5: 233±2mm (9.17inch) T9: 214±2mm (8.43inch)
Approx. Weight		22.7kg (50.0lbs)±4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 6.5mΩ
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)		14.10to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		18.75A
Terminal material		Copper
Maximum discharge current		750A(5 sec.)
Designed floating life(20°C)		12~15 years

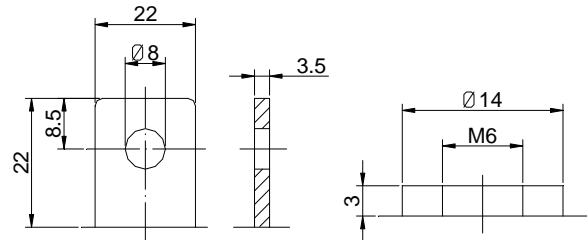
- ◆ Gelled electrolyte technology;
- ◆ AGM separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.



Dimensions



Terminal



Terminal T5

Terminal T9

Constant Current Discharge Characteristics (A, 25°C)

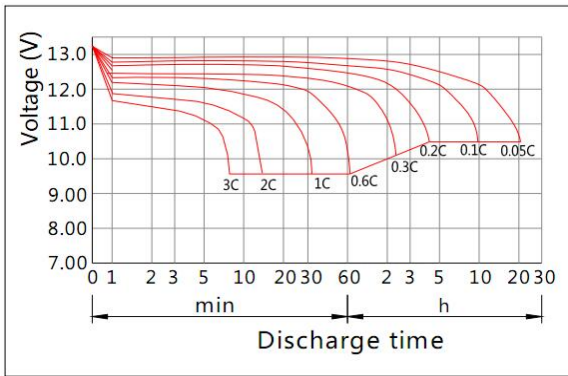
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	335	190	150	92.5	50.3	29.5	22.6	18.5	15.2	12.3	7.95	4.18
9.90V	332	188	148	91.5	50.2	29.2	22.4	18.4	15.1	12.3	7.90	4.18
10.2V	302	174	137	87.5	49.8	28.8	22.2	18.2	14.9	12.2	7.80	4.14
10.5V	277	164	129	83.8	48.8	28.3	21.7	17.8	14.6	11.9	7.70	4.06
10.8V	273	161	127	82.3	48.0	27.8	21.3	17.5	14.4	11.7	7.55	4.00

Constant Power Discharge Characteristics (Watt per cell, 25°C)

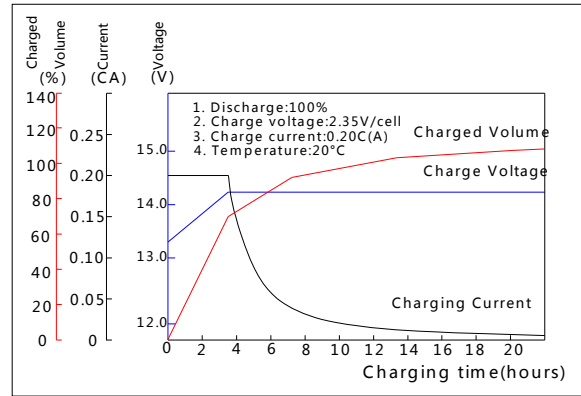
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	650	370	290	182	99.0	57.2	43.8	36.1	29.6	24.5	15.5	8.16
9.90V	648	367	288	179	98.0	56.8	43.6	35.8	29.4	24.3	15.4	8.14
10.2V	589	338	265	169	97.0	56.2	43.1	35.4	28.9	24.0	15.2	8.08
10.5V	540	319	251	164	95.5	55.2	42.3	34.8	28.5	23.5	14.9	7.98
10.8V	530	313	246	161	93.8	54.3	41.6	34.1	28.0	22.9	14.7	7.80

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

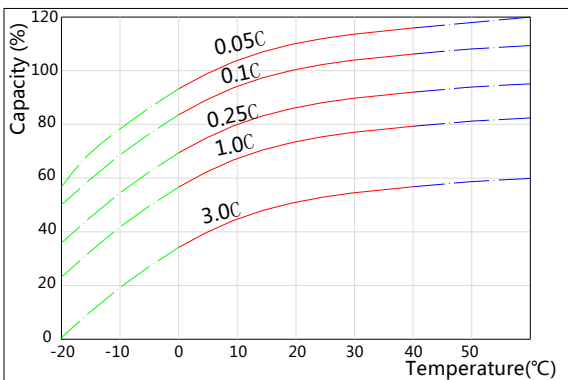
Discharge Characteristics(25°C)



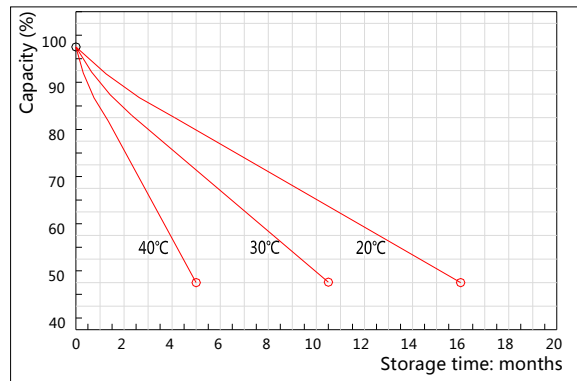
Charging Characteristics(25°C)



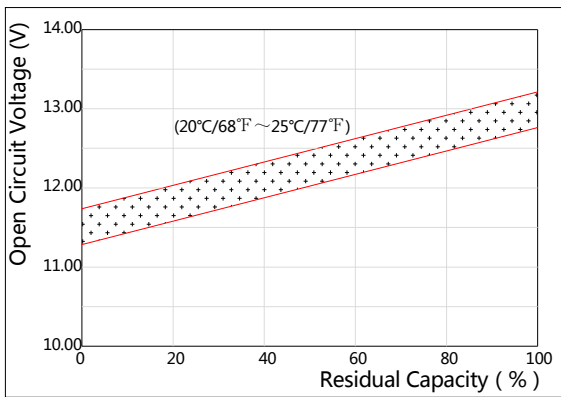
Effect of Temperature on Capacity



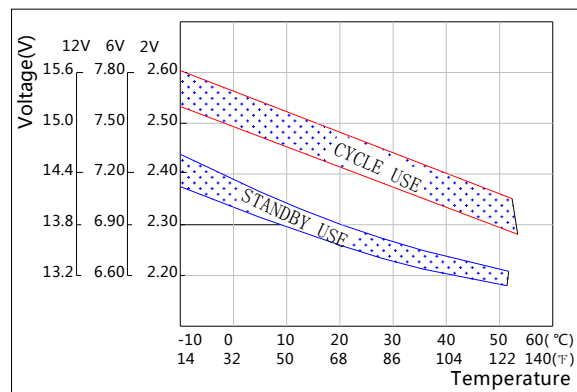
Self-discharge Characteristics



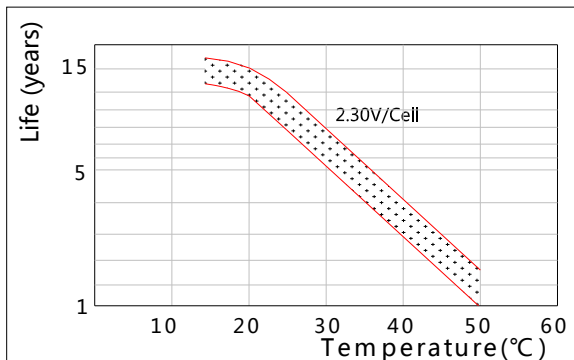
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

