

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	70Ah
	5HR(10.2V)	54.5Ah
	1HR(9.6V)	40.7Ah
Dimension	Length	260mm ± 2 (10.24inch)
	Width	168mm ± 2 (6.61inch)
	Height	215mm ± 2 (8.46inch)
	Total Height	215mm ± 2 (8.46inch)
Approx. Weight		24kg (52.4lbs) ± 4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 7 mΩ
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 ~ 55°C (5°F ~ 131°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 55°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		14 A
Terminal material		Copper
Maximum discharge current		700A(5 sec.)
Designed floating life(20°C)		15 years

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ 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	48h	120h
9.60V	94.5	65.2	40.7	23.8	16.8	13.2	11.1	9.45	7.35	6.56	3.58	---	---
9.90V	92.4	63.9	40.1	23.7	16.7	13.2	11.0	9.38	7.28	6.55	3.57	----	---
10.2V	88.9	62.0	39.1	23.5	16.6	13.0	10.9	9.31	7.28	6.52	3.56	1.56	---
10.5V	86.1	60.5	38.4	23.1	16.5	13.0	10.9	9.24	7.21	6.48	3.50	1.55	0.64
10.8V	81.2	58.2	37.2	22.5	16.0	12.5	10.5	8.96	6.99	6.44	3.50	1.55	0.64

Constant Power Discharge Characteristics (Watt, 25°C)

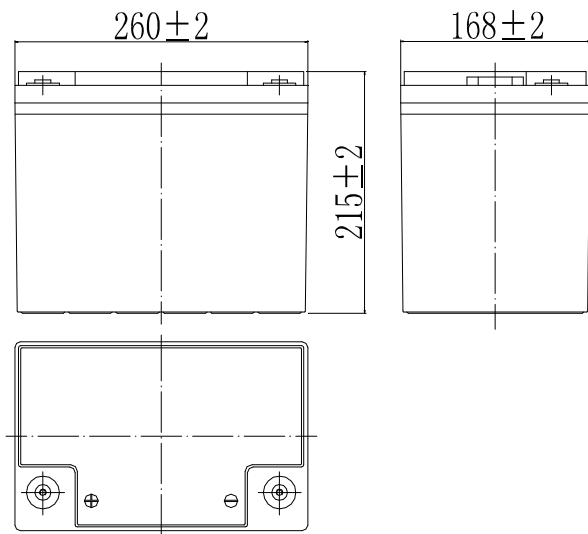
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	1055	743	469	277	198	156	132	112	87.5	78.4	43.1	---	---
9.90V	1029	729	462	275	197	155	131	111	87.5	78.4	43.1	----	---
10.2V	991	706	451	273	196	154	130	111	86.8	78.0	42.9	18.8	---
10.5V	958	690	442	269	195	153	129	110	86.1	77.7	42.2	18.6	7.77
10.8V	907	664	428	262	188	148	125	106	83.3	77.0	42.4	18.6	7.70

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

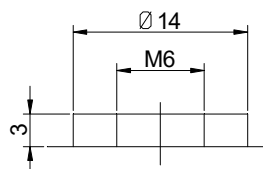


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APPLICATIONS

Dimensions

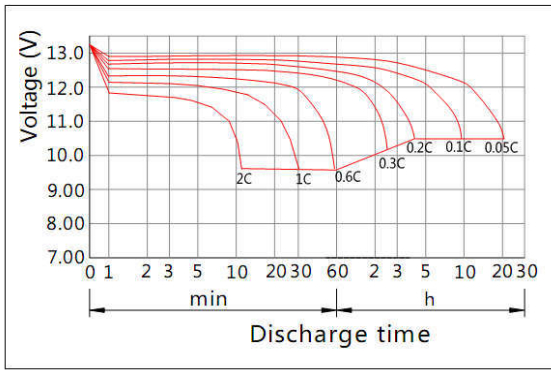


Terminal

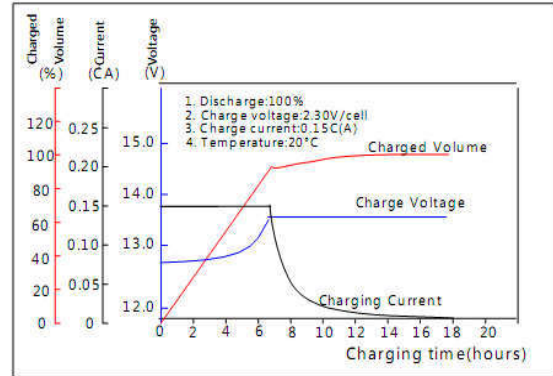


Terminal T9

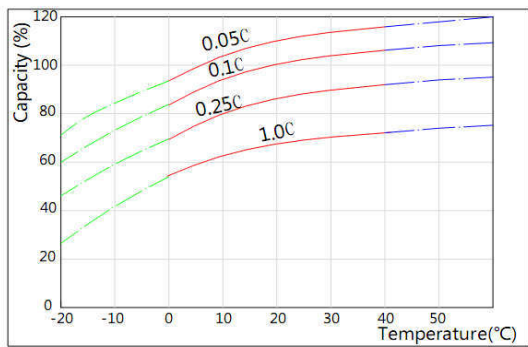
Discharge Characteristics(25°C)



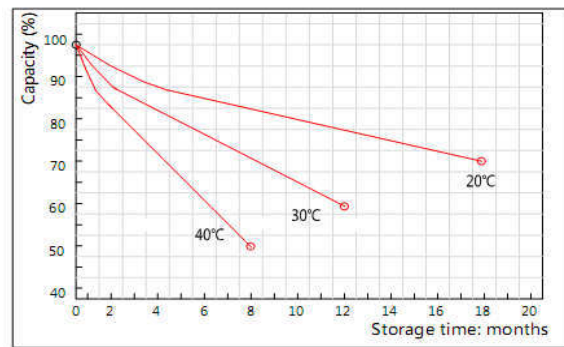
Charging Characteristics(25°C)



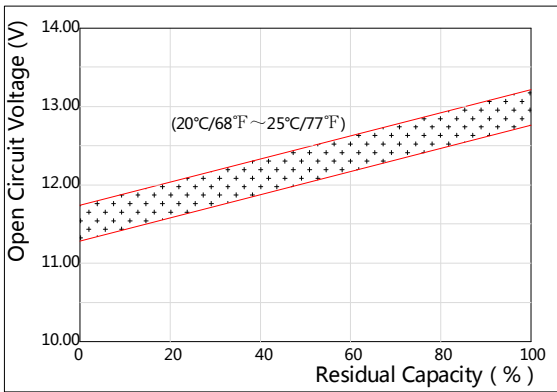
Effect of Temperature on Capacity



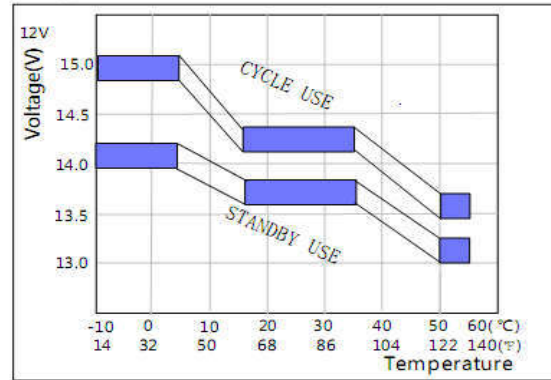
Self-discharge Characteristics



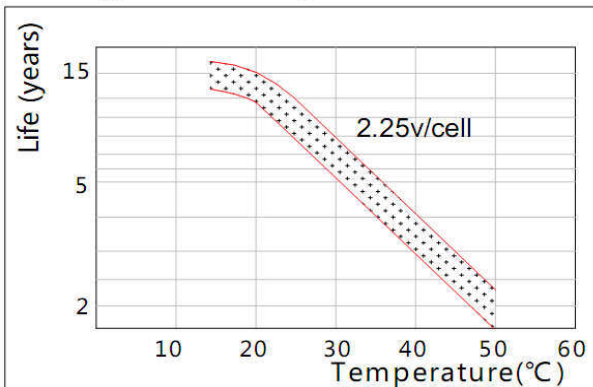
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

