

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.8V)	75Ah
	5HR(10.2V)	59 Ah
	1HR(9.6V)	44Ah
Dimension	Length	260mm ± 2 (10.24inch)
	Width	168mm ± 2 (6.61inch)
	Height	215mm ± 2 (8.46inch)
	Total Height	215mm ± 2 (8.46inch)
Approx. Weight		25.5kg (56.1lbs) ± 4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 7.5 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		15 A
Terminal material		Copper
Maximum discharge current		700A(5 sec.)
Designed floating life(20°C)		15 years

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ Recognized by CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

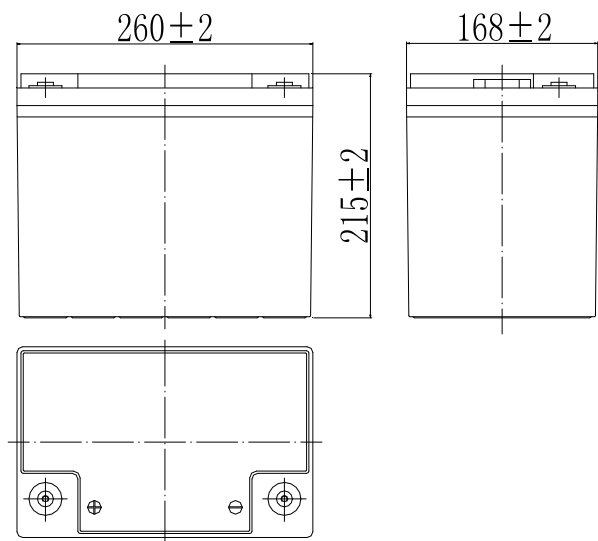
F.V/TIME	15min	30min	60min	90min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	101.4	70.0	43.6	33.2	25.5	18.0	14.2	11.8	10.1	7.89	7.02	3.84	---	---
9.90V	99.1	68.4	43.0	32.8	25.5	17.8	14.1	11.8	10.0	7.80	7.02	3.82	----	---
10.2V	95.2	66.4	41.8	32.2	25.2	17.8	14.0	11.7	10.0	7.80	7.00	3.82	1.68	---
10.5V	92.3	64.8	41.1	31.6	24.8	17.6	13.9	11.6	9.91	7.73	6.95	3.75	1.66	0.68
10.8V	87.0	62.5	39.8	30.7	24.1	17.1	13.4	11.3	9.59	7.50	6.91	3.75	1.66	0.68

Constant Power Discharge Characteristics (Watt, 25°C)

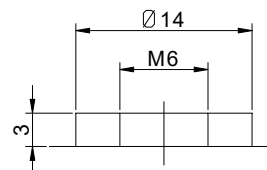
F.V/TIME	15min	30min	60min	90min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	1130	795	502	386	298	212	167	141	120	93.9	84.1	46.1	---	---
9.90V	1102	782	495	382	295	212	167	140	119	93.9	84.1	46.1	----	---
10.2V	1061	757	484	375	293	210	165	139	118	93.0	84.1	45.9	20.1	---
10.5V	1025	739	473	367	289	208	164	138	118	92.3	83.2	45.2	20.0	8.32
10.8V	973	711	459	356	280	202	159	134	114	89.3	82.5	45.5	20.0	8.25

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

Dimensions

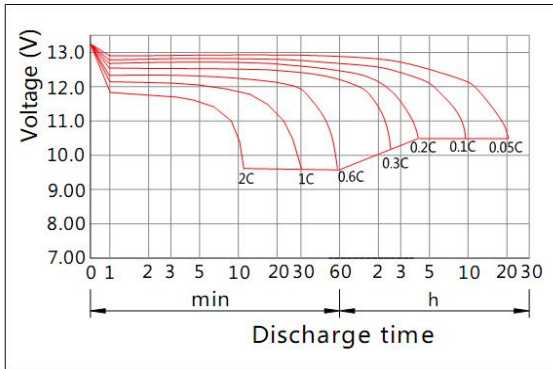


Terminal

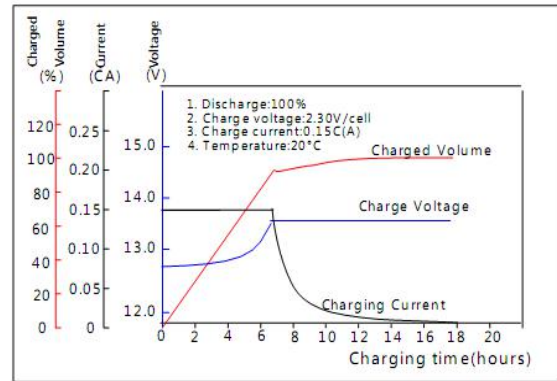


Terminal T9

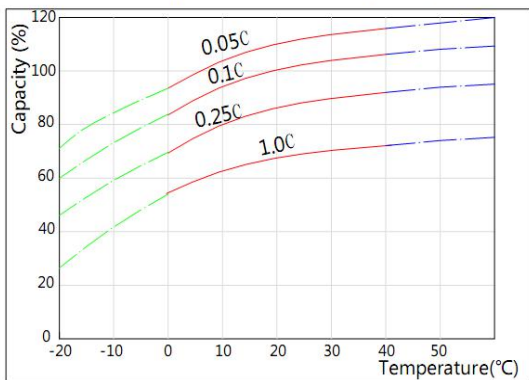
Discharge Characteristics(25°C)



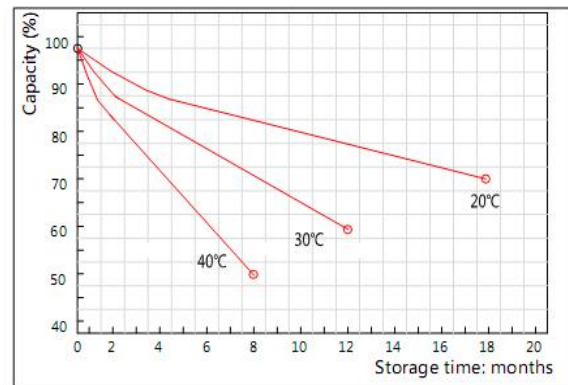
Charging Characteristics(25°C)



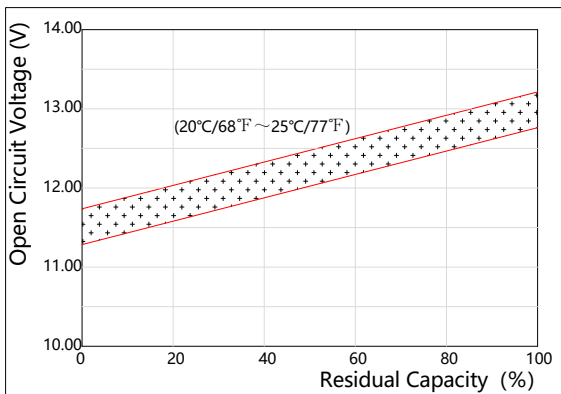
Effect of Temperature on Capacity



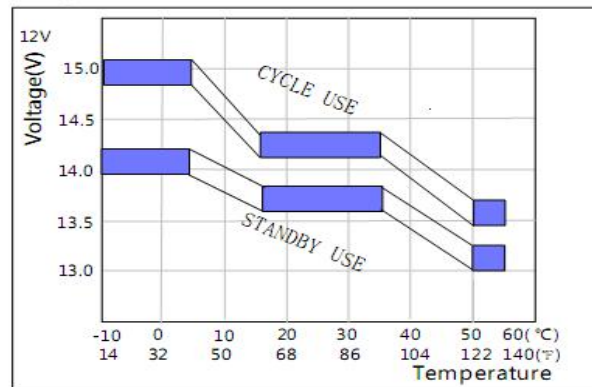
Self-discharge Characteristics



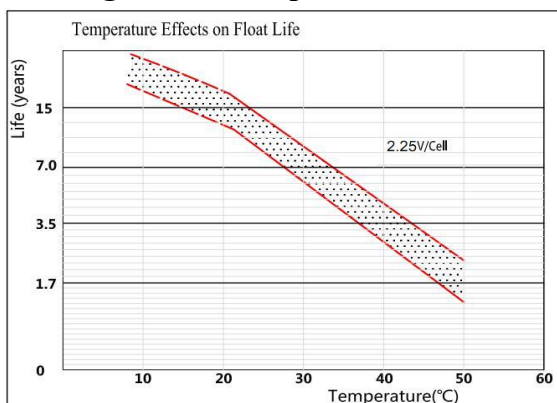
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

