

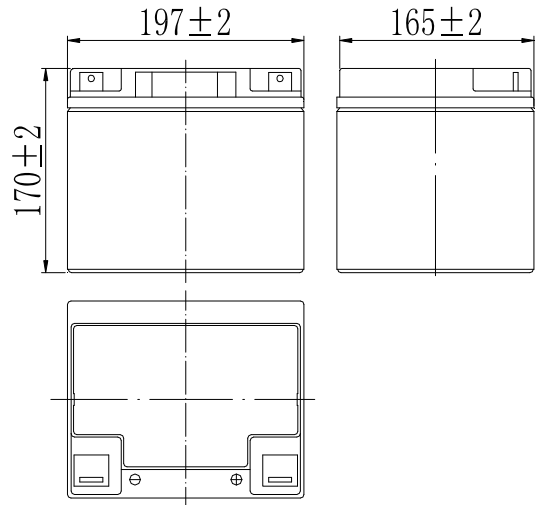
Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	40Ah
	5HR(10.5V)	38.5Ah
	1HR(9.60V)	27.5Ah
Dimension	Length	197 ± 2mm (7.76inch)
	Width	165 ± 2mm (6.50inch)
	Height	170 ± 2mm (6.69inch)
	Total Height	170 ± 2mm (6.69inch)
Approx. Weight		12.8kg (27.7lbs) ± 4%
Terminal type		T4/T9
Internal resistance (Fully charged, 25°C)		Approx. 10mΩ
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)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		10.0A
Terminal material		Copper
Maximum discharge current		400A(5 sec.)
Designed floating life(20°C)		12-15 years

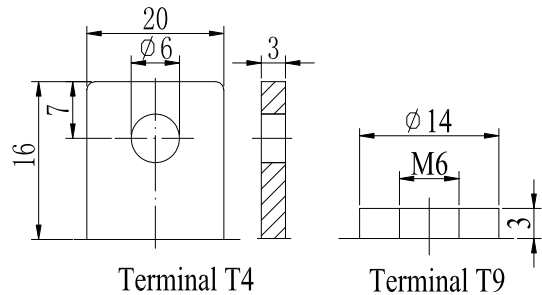
- ◆ Gelled electrolyte technology;
- ◆ AGM separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.



Dimensions



Terminal



Constant Current Discharge Characteristics (A, 25°C)

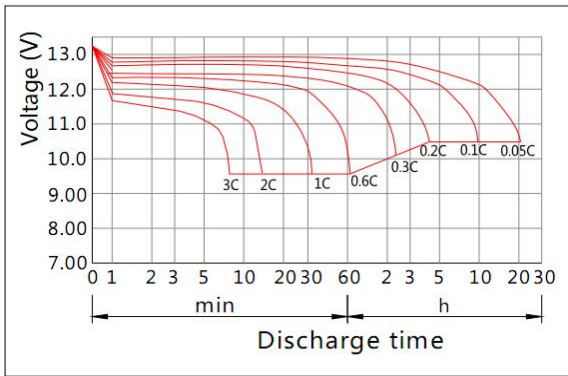
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	179	102	80.2	49.2	27.5	15.6	11.8	9.65	7.94	6.55	4.25	2.20
9.90V	174	99.0	78.5	48.6	27.1	15.4	11.7	9.62	7.90	6.50	4.20	2.18
10.2V	159	91.6	71.6	46.0	26.9	15.1	11.6	9.54	7.82	6.40	4.15	2.16
10.5V	146	87.2	68.4	44.8	26.6	14.8	11.4	9.40	7.70	6.33	4.05	2.14
10.8V	144	85.0	67.3	44.0	26.2	14.6	11.2	9.20	7.60	6.21	4.00	2.10

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

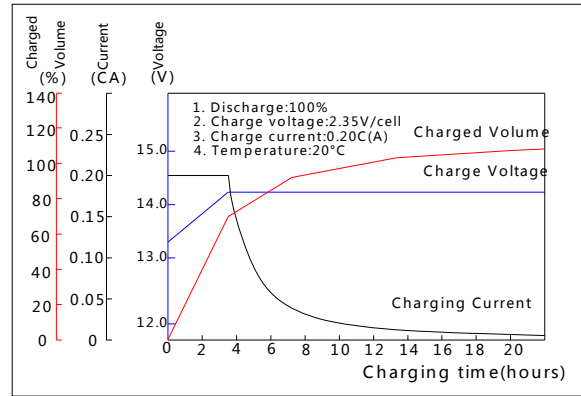
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	341	194	152	94.5	51.4	29.8	22.8	18.7	15.4	12.6	8.25	4.32
9.90V	339	192	150	93.8	51.2	29.6	22.7	18.6	15.3	12.5	8.18	4.26
10.2V	308	177	139	88.9	50.8	29.3	22.5	18.5	15.2	12.4	8.12	4.22
10.5V	283	168	132	85.5	50.0	28.8	22.1	18.2	14.9	12.2	8.00	4.16
10.8V	278	164	129	84.0	49.2	28.4	21.8	17.8	14.6	11.9	7.85	4.08

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

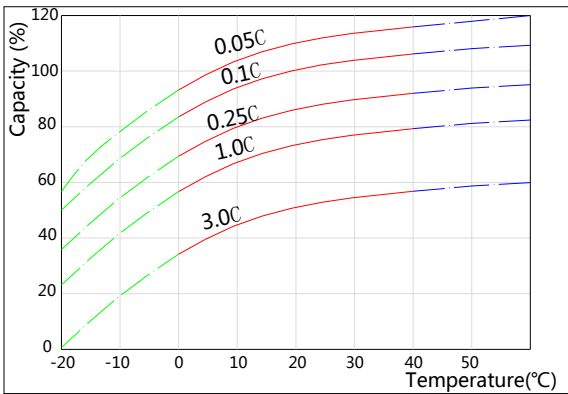
Discharge Characteristics(25°C)



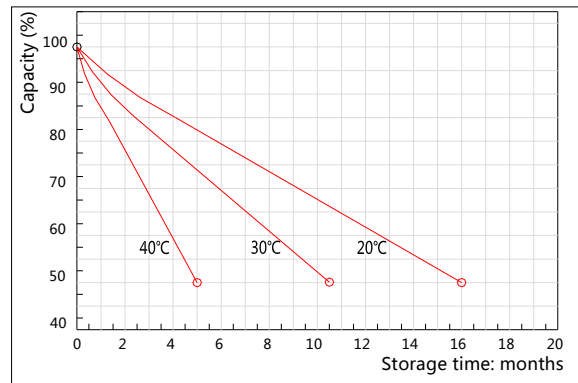
Charging Characteristics(25°C)



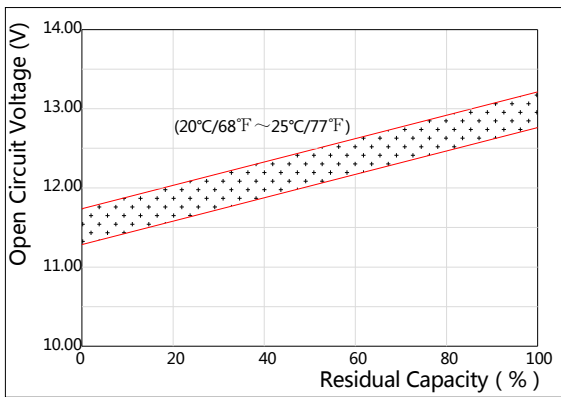
Effect of Temperature on Capacity



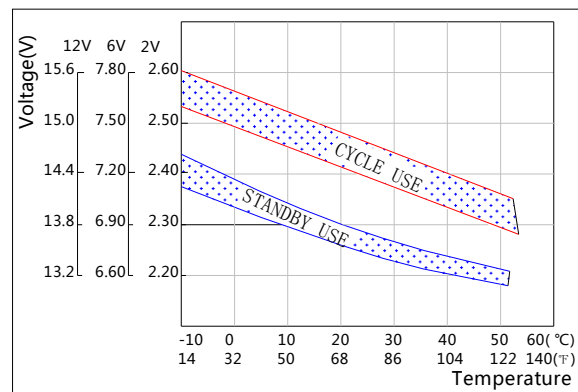
Self-discharge Characteristics



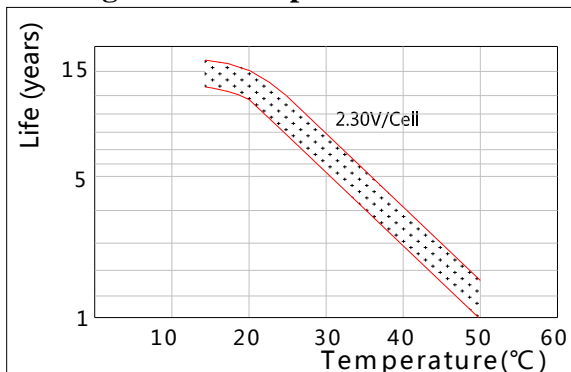
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

