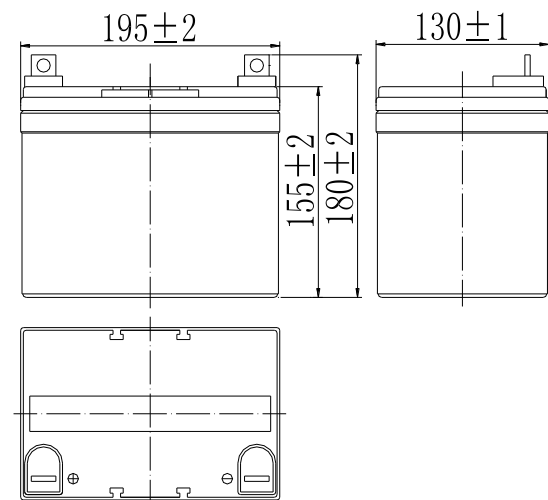


Specifications

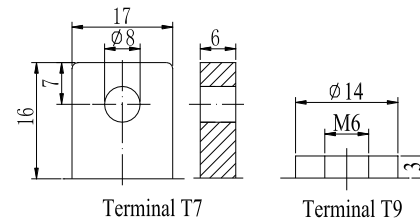
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	36 Ah
	5HR(10.5V)	30.6Ah
	1HR(9.60V)	21.8Ah
Dimension	Length	195 ± 2mm (7.68inch)
	Width	130 ± 1mm (5.12inch)
	Height	155 ± 2mm (6.10inch)
	Total Height	T7: 180 ± 2mm (7.09inch) T9: 166 ± 2mm (6.54inch)
Approx. Weight		10.5kg (22.4lbs) ± 4%
Terminal type		T7/T9
Internal resistance (Fully charged, 25°C)		Approx. 9mΩ
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)		13.5 to 13.8V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.4 to 14.7V Temperature compensation: -30mV/°C
Maximum charging current		9A
Terminal material		Copper
Maximum discharge current		330A(5 sec.)
Cycle life		700 cycles@50% DOD

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

Dimensions



Terminal



Constant Current Discharge Characteristics (A, 25°C)

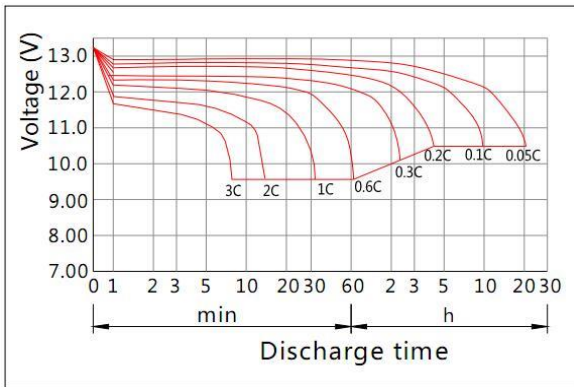
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	90.4	65.9	38.5	22.5	12.7	8.93	7.32	6.27	5.43	4.27	3.57	1.87
9.90V	87.5	64.1	37.8	22.2	12.7	8.89	7.28	6.19	5.36	4.27	3.57	1.87
10.2V	81.4	60.5	36.0	21.6	12.6	8.82	7.21	6.16	5.36	4.23	3.53	1.86
10.5V	78.5	58.3	35.2	21.2	12.4	8.75	7.18	6.13	5.32	4.20	3.53	1.86
10.8V	74.9	56.2	33.9	20.6	12.1	8.51	6.97	5.95	5.14	4.06	3.50	1.83

Constant Power Discharge Characteristics (Watt, 25°C)

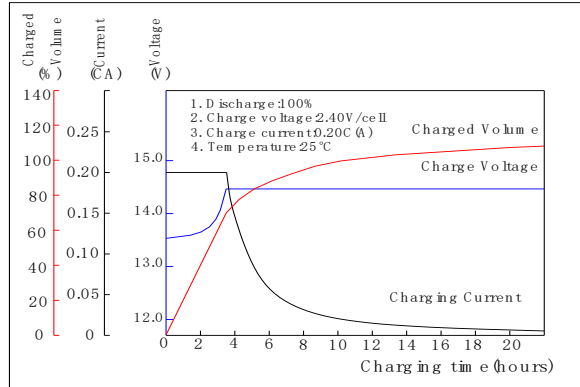
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	998	732	430	256	147	104	85.1	73.5	63.7	50.8	42.3	22.4
9.90V	966	712	421	253	146	104	84.7	72.8	63.0	50.8	42.3	22.4
10.2V	899	669	403	247	145	103	84.0	72.4	63.0	50.4	42.0	22.3
10.5V	867	648	393	242	143	102	83.7	71.8	62.3	50.1	42.0	22.3
10.8V	828	621	379	235	140	99.4	81.9	70.3	60.9	48.3	41.7	22.1

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

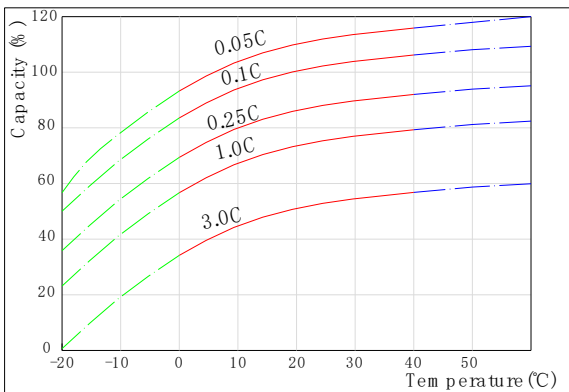
Discharge Characteristics(25°C)



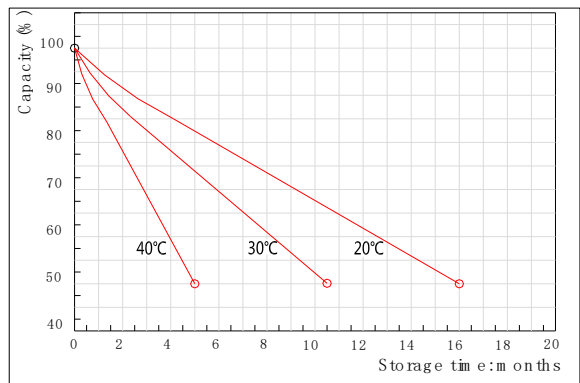
Charging Characteristics(25°C)



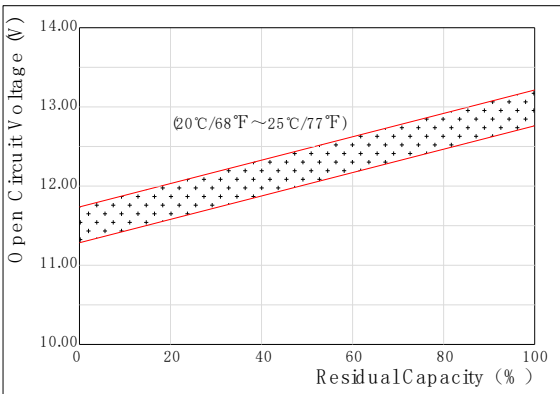
Effect of Temperature on Capacity



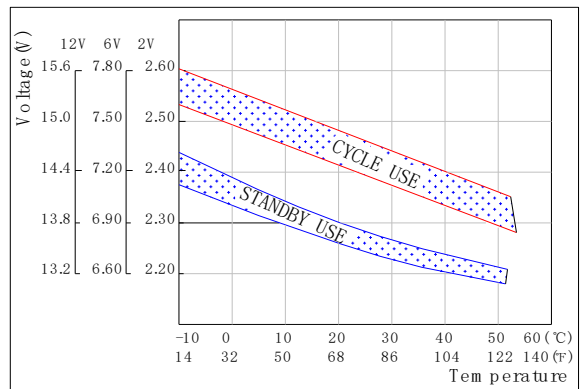
Self-discharge Characteristics



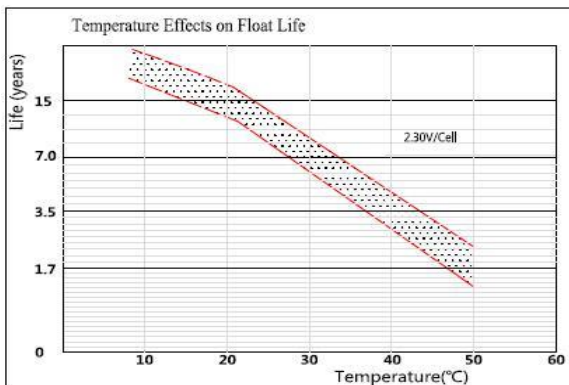
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

