

Specifications

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	20 Ah
	10HR(5.25V)	18.6Ah
	1HR(4.80V)	13Ah
Dimension	Length	157 ± 1.5mm (6.18inch)
	Width	83 ± 1mm (3.27inch)
	Height	125 ± 1.5mm (4.92inch)
	Total Height	130 ± 1.5mm (5.12inch)
Approx. Weight		3.1kg (6.84lbs) ± 5%
Terminal type		T3
Internal resistance (Fully charged, 25°C)		Approx. 8m Ω
Capacity affected by temperature (20HR)	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)	6.80 to 6.90V Temperature compensation: -9mV/°C	
Cyclic charging voltage(25°C)	7.25 to 7.45V Temperature compensation: -15mV/°C	
Maximum charging current	6A	
Terminal material	Copper	
Maximum discharge current	300A(5 sec.)	
Designed floating life(20°C)	10years	

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

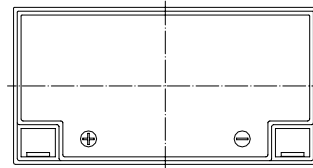
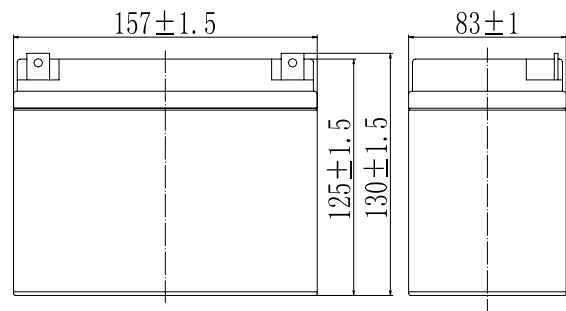
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	48.0	38.0	21.2	13.0	7.11	5.10	4.08	3.47	2.24	1.89	1.02
4.95V	46.6	37.1	20.8	12.8	7.06	5.07	4.06	3.45	2.23	1.88	1.01
5.10V	44.6	35.7	20.1	12.5	7.00	5.04	4.03	3.42	2.22	1.87	1.01
5.25V	42.7	34.5	19.7	12.2	6.90	5.00	4.00	3.40	2.20	1.86	1.00
5.40V	40.3	32.7	18.9	11.9	6.72	4.85	3.88	3.30	2.13	1.82	0.98

Constant Power Discharge Characteristics (Watt, 25°C)

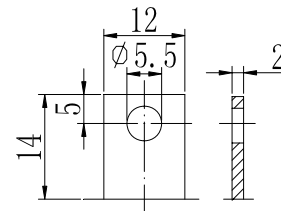
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	271	217	121	75.3	41.6	30.3	24.3	20.7	13.5	11.3	6.09
4.95V	263	211	119	74.1	41.3	30.1	24.2	20.6	13.4	11.3	6.07
5.10V	252	204	115	72.3	41.0	29.9	24.0	20.4	13.3	11.2	6.04
5.25V	241	197	113	70.8	40.3	29.7	23.8	20.3	13.2	11.2	6.00
5.40V	227	186	108	68.6	39.3	28.8	23.1	19.7	12.8	10.9	5.88

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

Dimensions

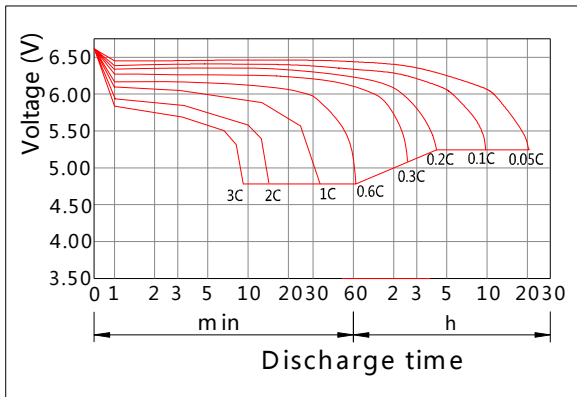


Terminal

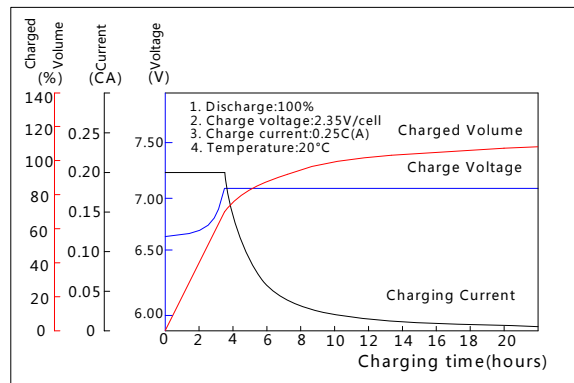


Terminal T3

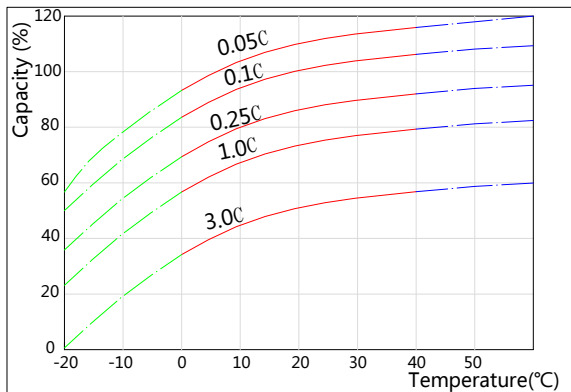
Discharge Characteristics(25°C)



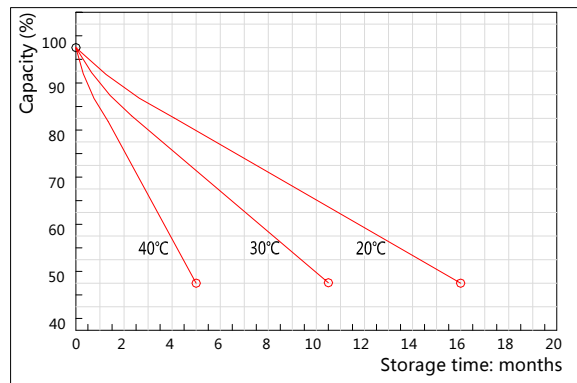
Charging Characteristics(25°C)



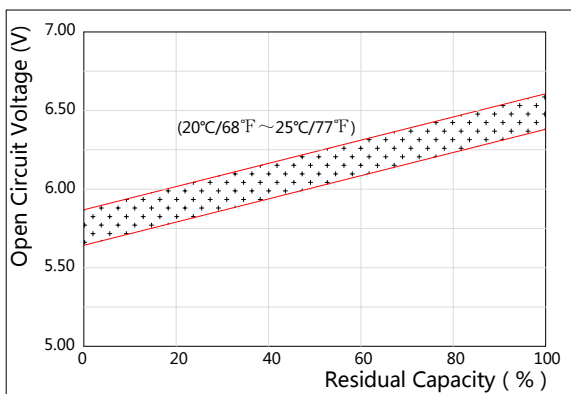
Effect of Temperature on Capacity



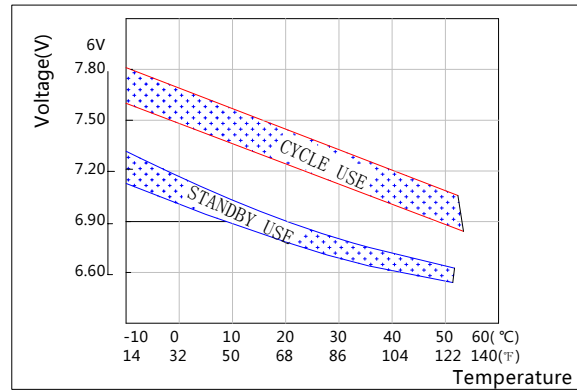
Self-discharge Characteristics



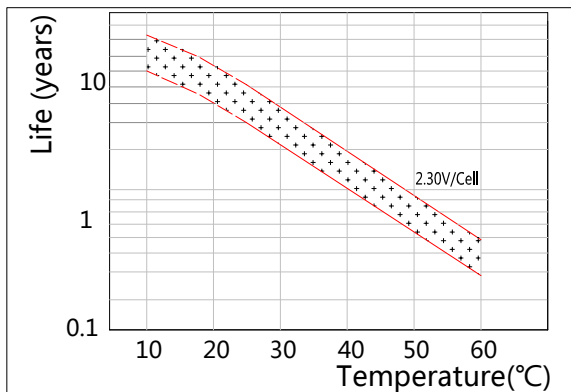
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

