

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	65 Ah
	5HR(10.5V)	57Ah
	1HR(9.60V)	40.3Ah
Dimension	Length	350±2mm (13.78inch)
	Width	167±2mm (6.57inch)
	Height	179±2mm (7.05inch)
	Total Height	T5: 186±2mm (7.32inch) T9: 179±2mm (7.05inch)
Approx. Weight		20.8kg (45.9lbs)±4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 6mΩ
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)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		19.5A
Terminal material		Copper
Maximum discharge current		650A(5 sec.)
Designed floating life(20°C)		10~15 years

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

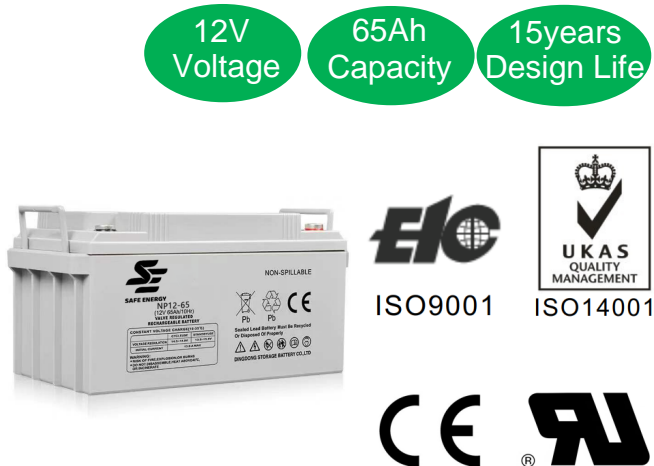
Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	10HR	20HR
1.60V	226.97	158.91	118.41	68.55	40.22	24.1	17.69	14.37	12.13	6.93	3.55
1.65V	218.71	154.13	115.32	67.03	39.48	23.74	17.46	14.19	11.99	6.86	3.53
1.70V	208.06	147.96	111.24	65.04	38.49	23.27	17.14	13.96	11.8	6.78	3.49
1.75V	194.33	139.9	105.97	62.45	37.19	22.66	16.73	13.64	11.56	6.66	3.44
1.80V	177.11	129.65	99.11	59.06	35.5	21.84	16.18	13.22	11.23	6.5	3.37

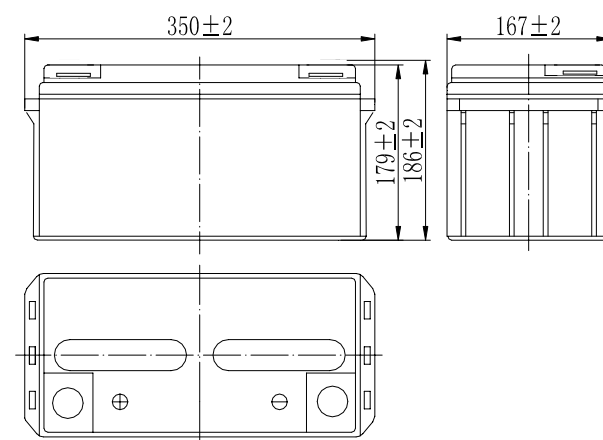
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	10HR	20HR
1.60V	390.65	274.13	210.15	126.37	76.34	46.36	34.31	28.01	23.74	13.82	7.1
1.65V	386.47	273.03	208.96	125.47	75.71	46.01	34.06	27.8	23.58	13.72	7.06
1.70V	371.74	264.98	203.38	122.39	74.08	45.24	33.52	27.4	23.26	13.56	6.99
1.75V	353.53	255.02	196.42	118.71	71.94	44.24	32.86	26.89	22.86	13.34	6.9
1.80V	327.76	240.4	186.37	113.43	69.0	42.87	31.9	26.16	22.29	13.04	6.77

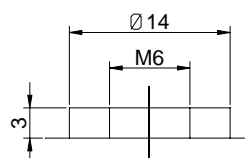
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions

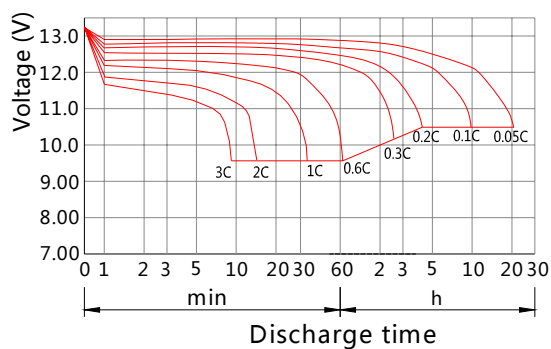


Terminal

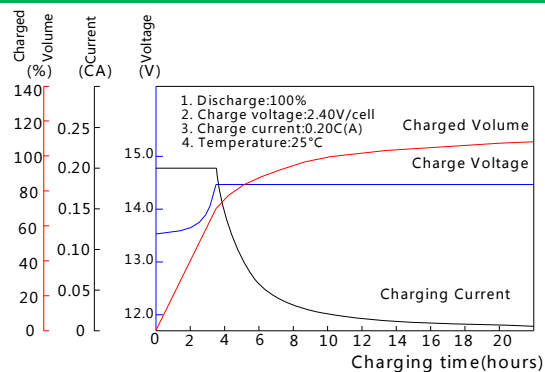


Terminal T9

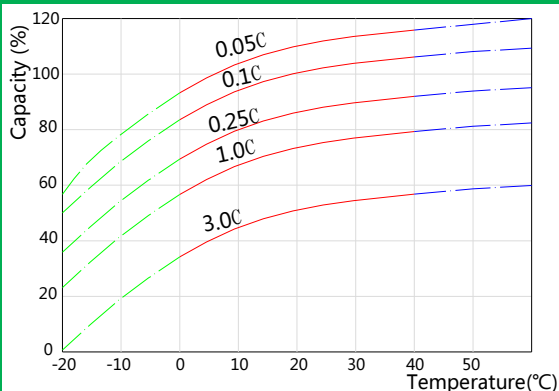
Discharge Characteristics(25°C)



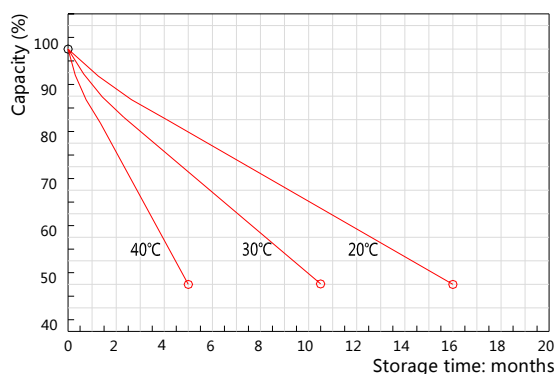
Charging Characteristics(25°C)



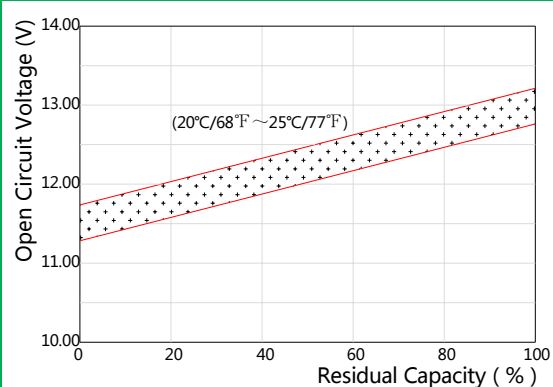
Effect of Temperature on Capacity



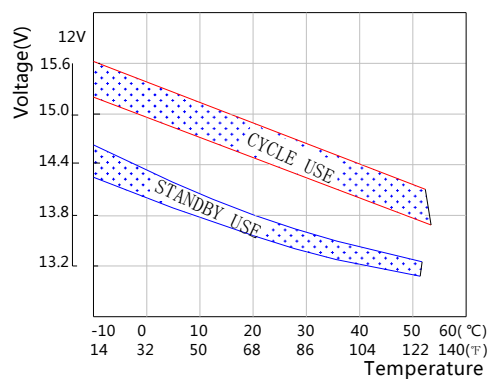
Self-discharge Characteristics



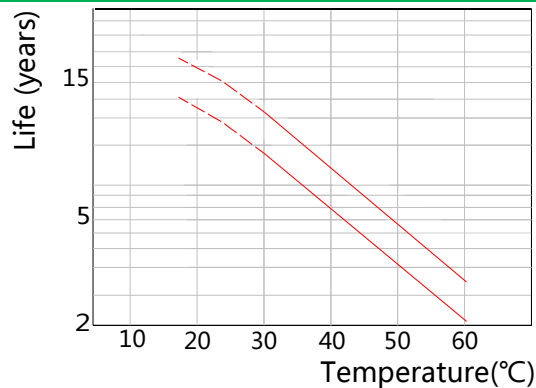
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

