

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	134 Ah
	5HR(10.5V)	117.5Ah
	1HR(9.60V)	83.8Ah
Dimension	Length	342±2mm (13.46inch)
	Width	172±2mm (6.77inch)
	Height	280±2mm (11.02inch)
	Total Height	285±2mm (11.22inch)
Approx. Weight		42kg (92.6lbs) ±4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 3.8mΩ
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		40A
Terminal material		Copper
Maximum discharge current		1100A(5 sec.)
Cycle life		700 cycles@50% DOD

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ Designed suitable for deep cycle use;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

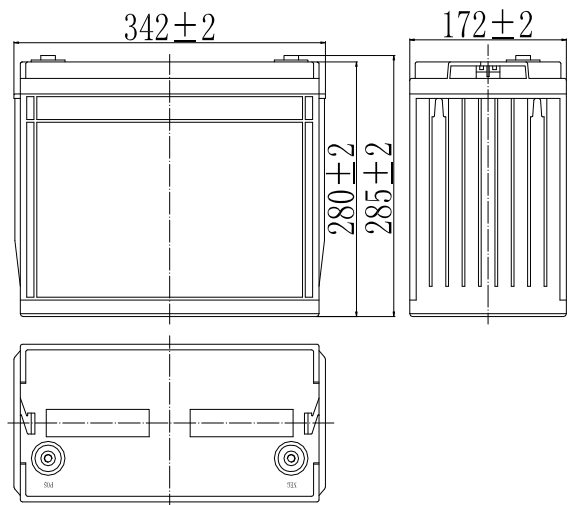
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	224	135	83.8	48.9	34.2	28.0	24.0	20.8	16.3	13.7	7.16
9.90V	218	133	82.7	48.6	34.0	27.9	23.7	20.5	16.3	13.7	7.14
10.2V	210	129	80.5	48.2	33.8	27.6	23.6	20.5	16.2	13.5	7.13
10.5V	202	125	78.9	47.6	33.5	27.5	23.5	20.4	16.1	13.5	7.09
10.8V	192	121	76.5	46.4	32.6	26.7	22.8	19.7	15.5	13.4	7.04

Constant Power Discharge Characteristics (Watt, 25°C)

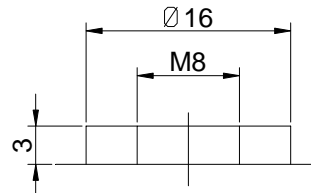
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2452	1505	953	563	398	326	281	244	194	162	85.8
9.90V	2393	1479	941	560	397	324	279	241	194	162	85.6
10.2V	2305	1436	919	556	394	322	277	241	193	161	85.5
10.5V	2226	1404	900	549	391	320	275	239	192	161	85.1
10.8V	2109	1356	874	536	381	314	269	233	185	159	84.4

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

Dimensions

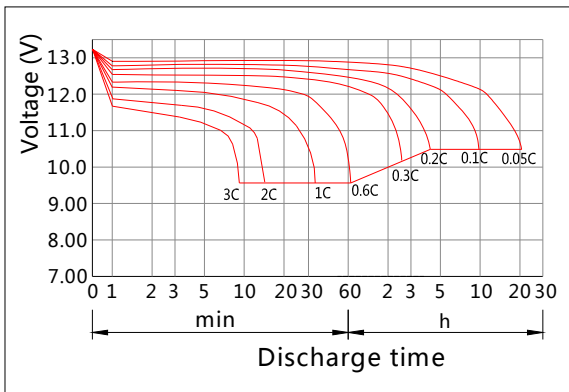


Terminal

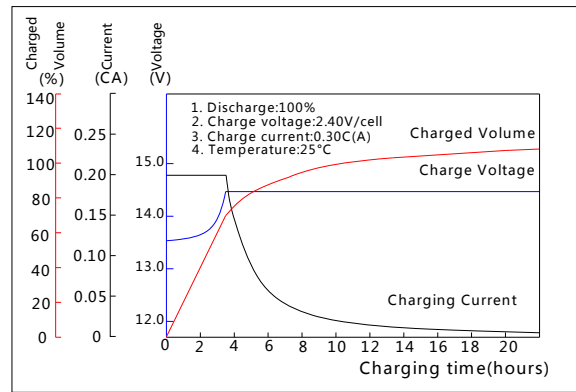


Terminal T11

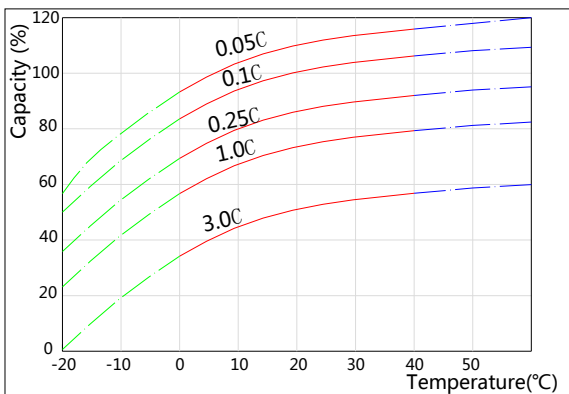
Discharge Characteristics(25°C)



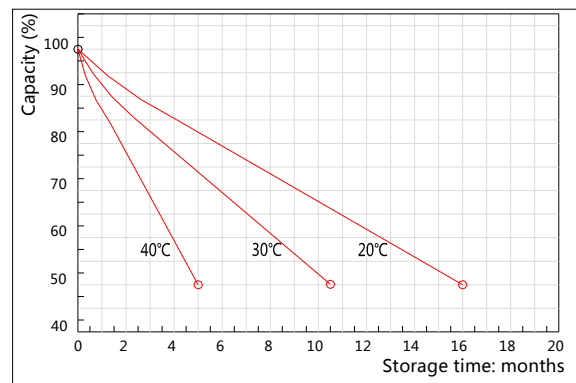
Charging Characteristics(25°C)



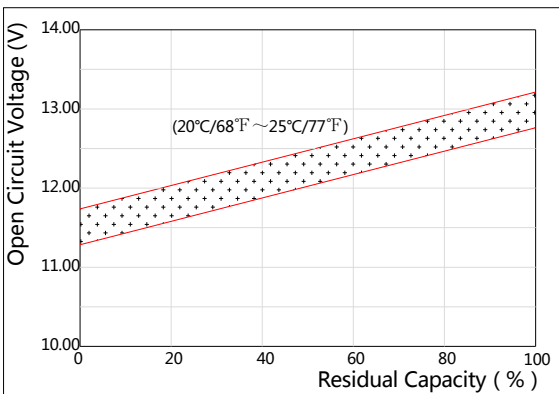
Effect of Temperature on Capacity



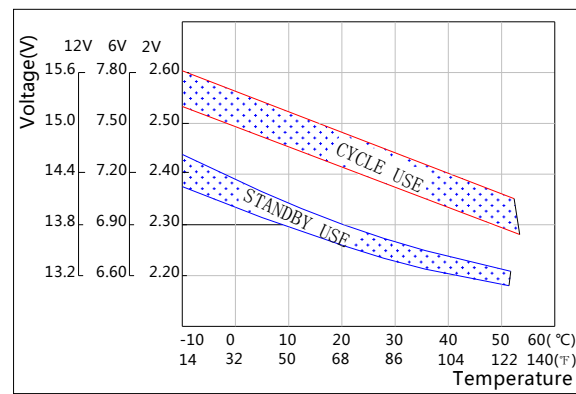
Self-discharge Characteristics



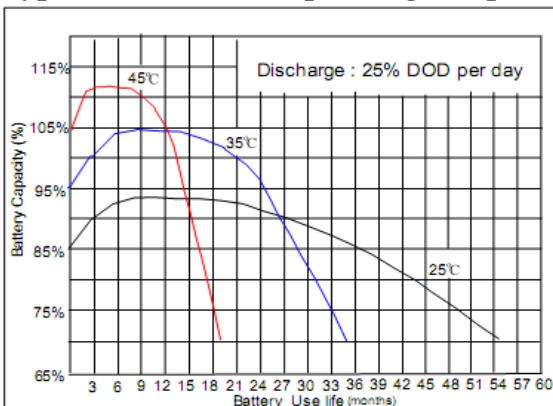
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Typical Use life and Operating Temperature



Cycle Life on D.O.D(25°C)

