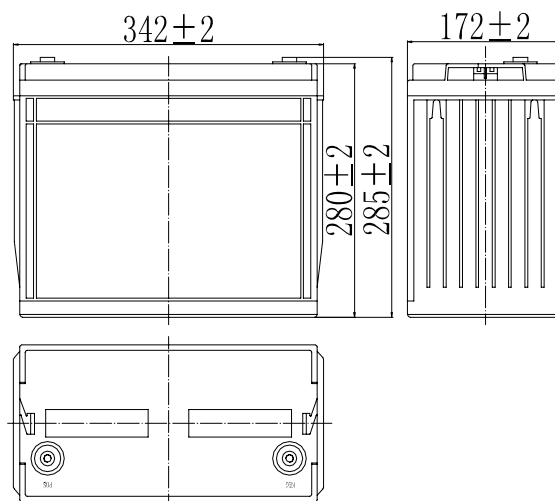


**Specifications**

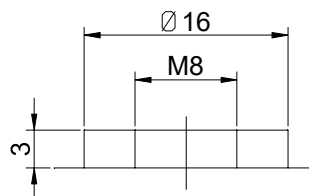
Nominal Voltage		12 V
Capacity (25 °C)	10HR(10.8V)	150 Ah
	5HR(10.5V)	130Ah
	1HR(9.60V)	92.3Ah
Dimension	Length	342 ± 2mm (13.46inch)
	Width	172 ± 2mm (6.77inch)
	Height	280 ± 2mm (11.02inch)
	Total Height	285 ± 2mm (11.22inch)
Approx. Weight		45.5kg (100lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25 °C)		Approx. 3.2m Ω
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		45.0A
Terminal material		Copper
Maximum discharge current		1200A(5 sec.)
Designed floating life(20 °C)		12 years



**Dimensions**



**Terminal**



Terminal T11

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

**Constant Current Discharge Characteristics (A, 25 °C)**

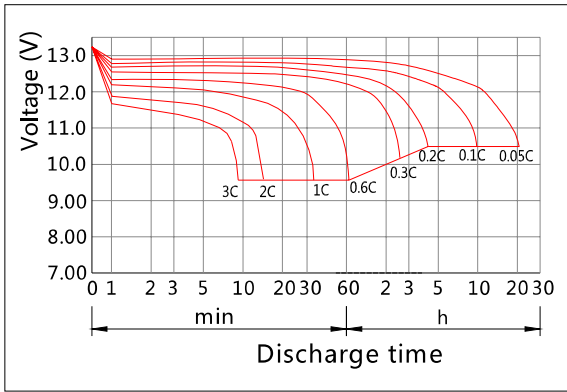
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	250	151	93.0	54.8	38.3	31.4	26.8	23.4	18.4	15.3	8.02
9.90V	244	148	91.6	54.5	38.0	31.2	26.6	23.3	18.3	15.2	8.00
10.2V	235	144	89.3	54.0	37.8	31.0	26.4	23.1	18.1	15.2	7.98
10.5V	227	141	87.5	53.2	37.5	30.8	26.3	23.0	18.0	15.1	7.93
10.8V	215	135	84.8	51.8	36.4	29.8	25.5	22.3	17.5	15.0	7.88

**Constant Power Discharge Characteristics (Watt, 25 °C)**

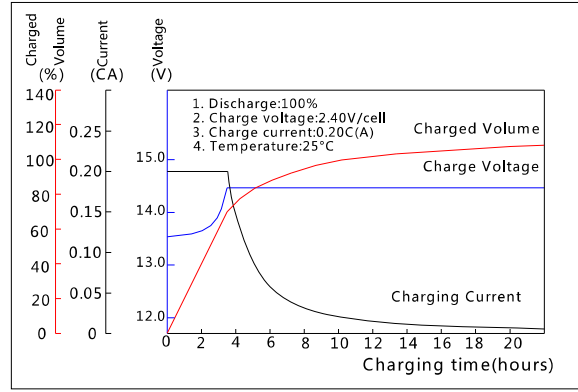
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2720	1686	1062	635	450	369	316	277	218	182	96.2
9.90V	2655	1650	1046	631	447	367	315	275	217	182	96.0
10.2V	2556	1600	1020	625	444	364	312	273	215	181	95.7
10.5V	2470	1562	999	616	441	362	310	271	214	180	95.2
10.8V	2340	1505	968	600	428	351	301	263	207	179	94.5

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

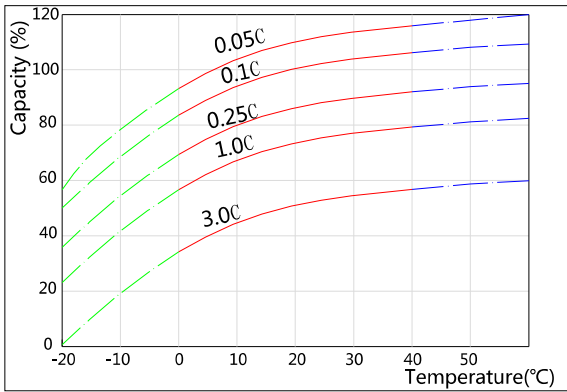
**Discharge Characteristics(25°C)**



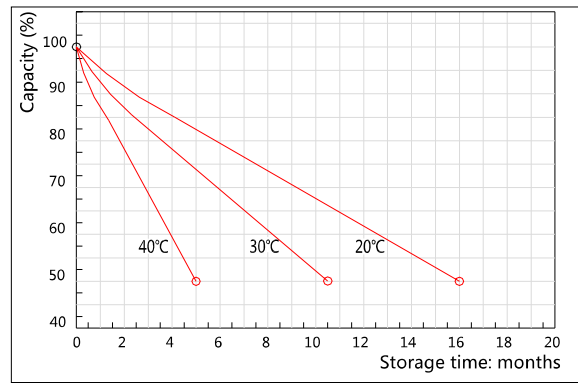
**Charging Characteristics(25°C)**



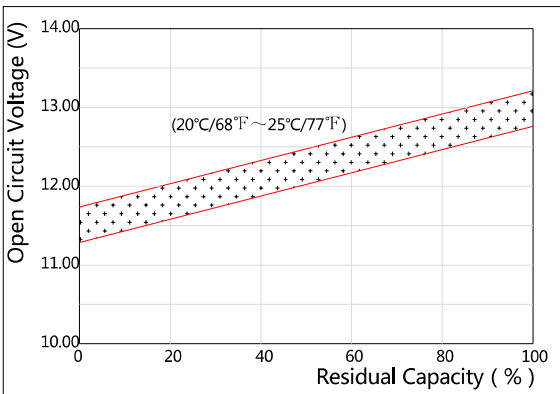
**Effect of Temperature on Capacity**



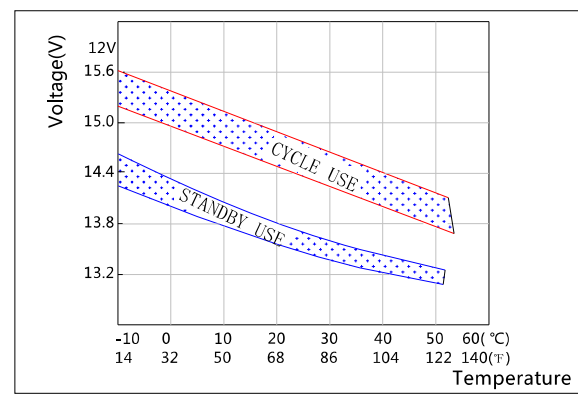
**Self-discharge Characteristics**



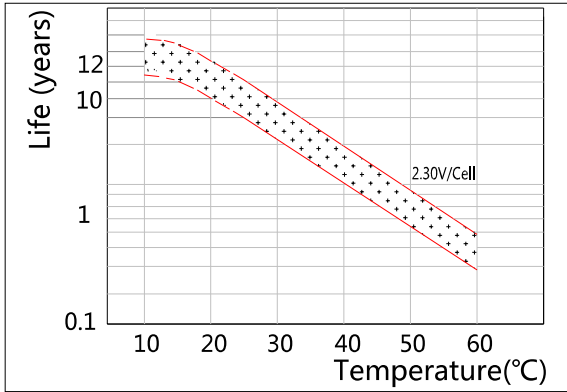
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

