UNIVERSAL BATTERY

UB-12U134.0

(12V134.0AH)



Capacity & electrical

Capacity (25°C)	
10HR(10.8V)	**134Ah**
3HR(10.8V)	**100.5Ah**
1HR(10.5V)	**74Ah**
Terminal type	**T16A**
Internal resistance (Fully charged,25°C)	**Approx.4.2mΩ**
Maximum charging current	**40.2A**
Maximum discharge current	**1000A(5 sec.)**
Designed floating life(20°C)	**10years**

Operating temperatures

Nominal operating temperature	**25°C±3°C (77°F±5°F)**
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)**

Charging parameters

Float charging voltage(25°C)

13.50 to 13.80V

Temperature compensation: -18mV/°C

Cyclic charging voltage(25°C)

14.50 to 15.00V

Temperature compensation: -30mV/°C

Self-discharge (25°C)

3month	**Remaining Capacity:91%**
6month	**Remaining Capacity:82%**
12month	**Remaining Capacity:65%**

Capacity affected by temperature (10HR)

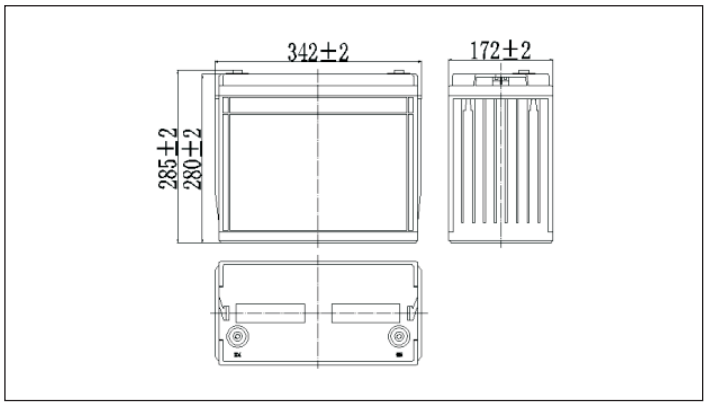
40°C	**102%**
25°C	**100%**
0°C	**85%**
-15°C	**65%**

Specifications & technical details

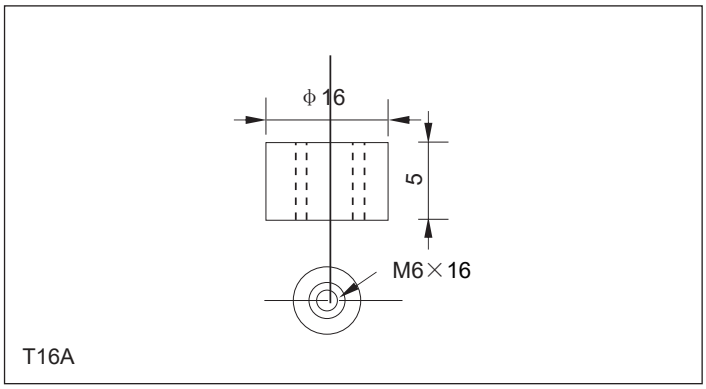
Specifications

Nominal Voltage	**12V**	Length	**342±2mm (13.46inch)**
Rated capacity (10 hour rate)	**134Ah**	Width	**172±2mm (6.77inch)**
Approx. Weight	**40kg (88.0lbs)±3%**	Height	**280±2mm (11.02inch)**
		Total Height	**285±2mm (11.22inch)**

Outer dimensions (mm)



Terminal Type (mm)



Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

● Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	292	225	135	82.8	49.0	35.3	28.2	24.1	16.5	13.6	7.23
9.90V	283	220	132	81.6	48.7	35.1	28.0	23.9	16.4	13.6	7.22
10.2V	272	212	128	79.5	48.2	34.8	27.8	23.7	16.3	13.6	7.19
10.5V	260	204	125	77.0	47.5	34.6	27.6	23.6	16.2	13.5	7.15
10.8V	245	194	120	74.5	46.3	33.5	26.8	22.9	15.7	13.4	7.10

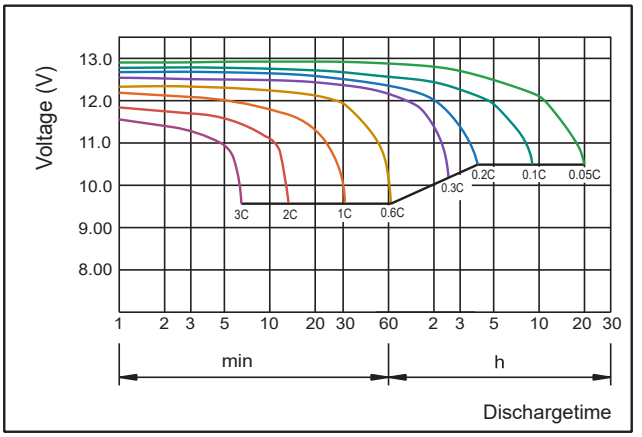
● Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	3155	2472	1511	944	567	518	331	284	196	163	86.8
9.90V	3060	2412	1481	930	564	412	329	283	195	163	86.6
10.2V	2934	2324	1435	906	559	409	327	281	194	162	86.3
10.5V	2808	2244	1401	878	550	407	325	279	193	161	85.8
10.8V	2650	2126	1349	850	536	394	315	270	187	160	85.2

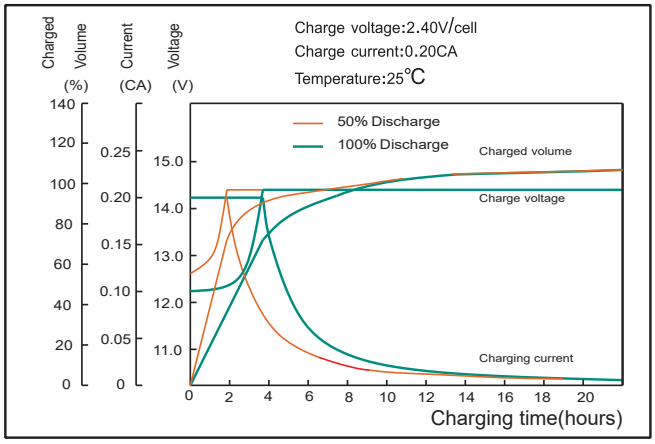
Note: The above characteristics data can be obtained within three charge or discharge cycles.

Performance characteristics

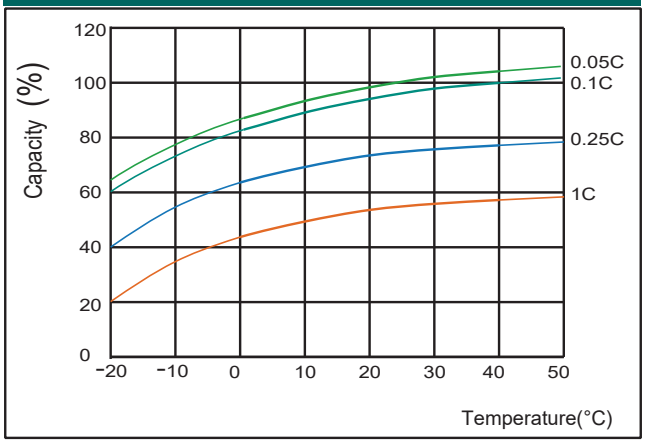
Discharge characteristics (25°C)



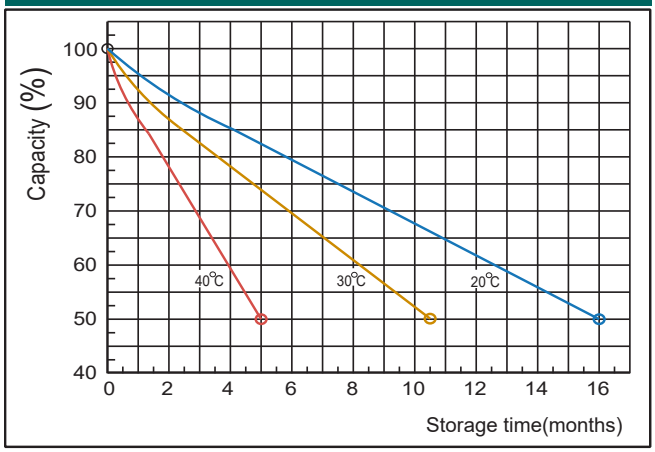
Charge characteristics (25°C)



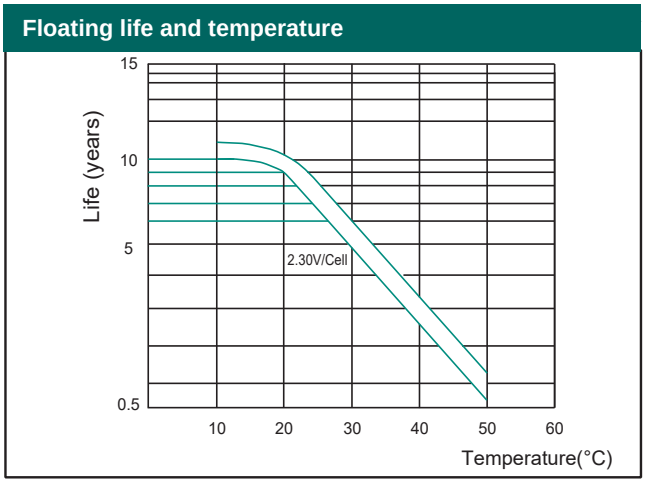
Effect of temperature on capacity



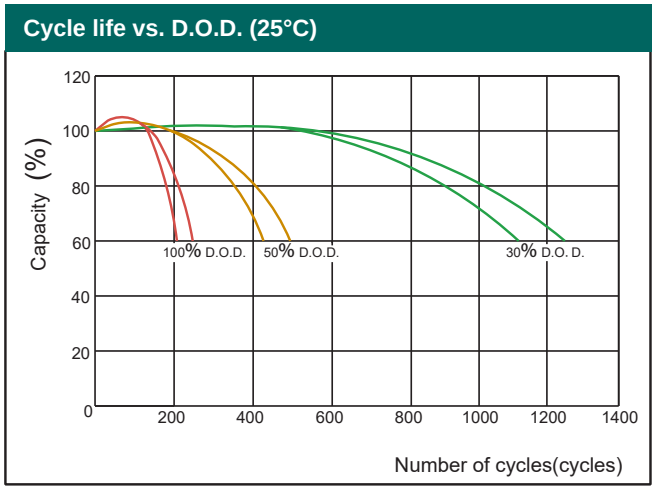
Self-discharge characteristics



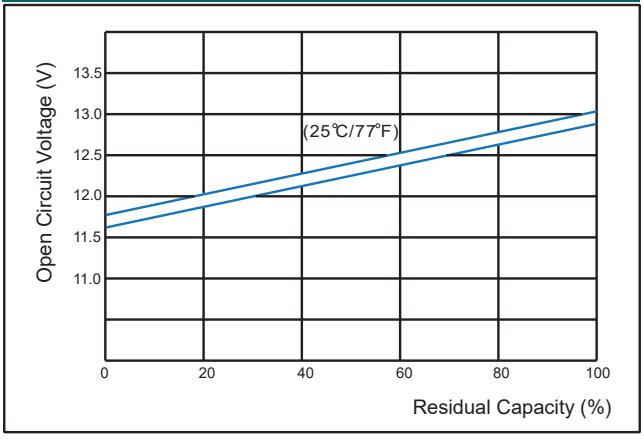
Floating life and temperature



Cycle life vs. D.O.D. (25°C)



OCV and capacity (25°C)



Charging voltage and temperature

