UB-12U26.0 (12V26.0AH)



Capacity & electrical

Capacity (25°C)	
20HR(10.5V)	26Ah
10HR(10.5V)	24Ah
1HR(9.60V)	16Ah
Terminal type	T4/T12
Internal resistance (Fully charged,25°C)	Approx.12m Ω
Maximum charging current	7.8A
Maximum discharge current	360A(5 sec.)
Designed floating life(20°C)	5 years

Operating temperatures

Nominal operating temperature	25℃ ±3℃(77℉ ±5℉)
Discharge	-15℃~50℃(5℉~122℉)
Charge	-10℃~50℃(14℉~122℉)
Storage	-20℃~50℃(-4℉~122℉)

Charging parameters

Float charging voltage(25°C)

13.60 to 13.80V
Temperature compensation:
-18mV/℃

Cyclic charging voltage(25°C)

14.50 to 15.00V
Temperature compensation:
-30mV/℃

Self-discharge (25°C)

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

Capacity affected by temperature (20HR)

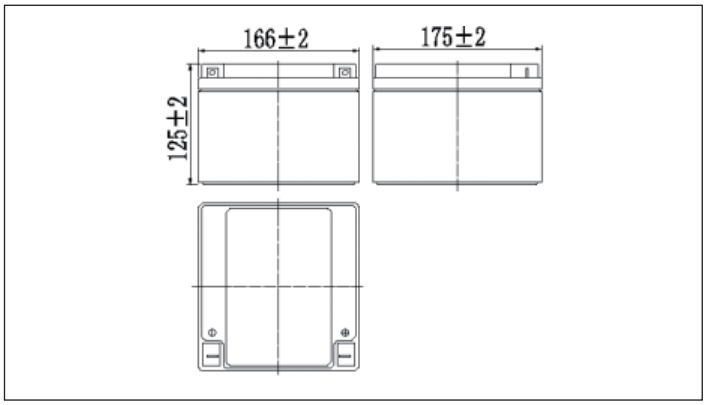
40℃	102%
25℃	100%
0℃	85%
-15℃	65%

Specifications & technical details

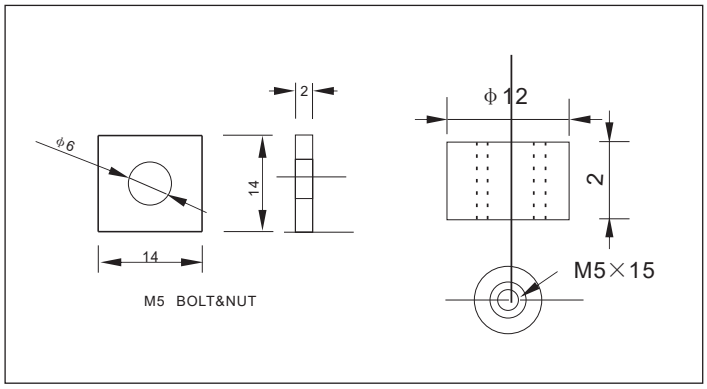
Specifications

Nominal Voltage	12V	Length	166±2mm(6.54inch)
Rated capacity (20 hour rate)	26Ah	Width	175±2mm(6.89inch)
Approx. Weight	7.9kg(17.4lbs)±4%	Height	125±2mm(4.92inch)
		Total Height	125±2mm(4.92inch)

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	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	97.3	61.7	48.2	27.1	16.7	9.32	6.44	5.33	4.53	2.46	1.32
9.90V	94.4	59.8	47.0	26.6	16.4	9.26	6.41	5.30	4.51	2.45	1.31
10.2V	90.5	57.3	45.3	25.8	16.0	9.18	6.36	5.26	4.48	2.44	1.31
10.5V	86.6	54.9	43.7	25.2	15.7	9.04	6.32	5.23	4.45	2.43	1.30
10.8V	81.8	51.8	41.4	24.2	15.2	8.81	6.13	5.07	4.31	2.38	1.27

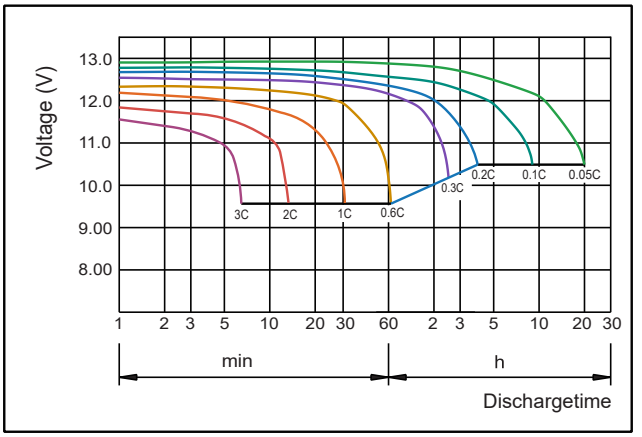
Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	1086	696	549	311	193	109	76.6	63.5	54.1	29.5	15.8
9.90V	1054	675	536	305	190	108	76.1	63.1	53.8	29.4	15.8
10.2V	1010	647	516	295	186	107	75.6	62.7	53.5	29.3	15.7
10.5V	967	619	498	288	182	106	75.1	62.2	53.1	29.1	15.6
10.8V	912	584	472	278	176	103	72.8	60.4	51.5	28.5	15.3

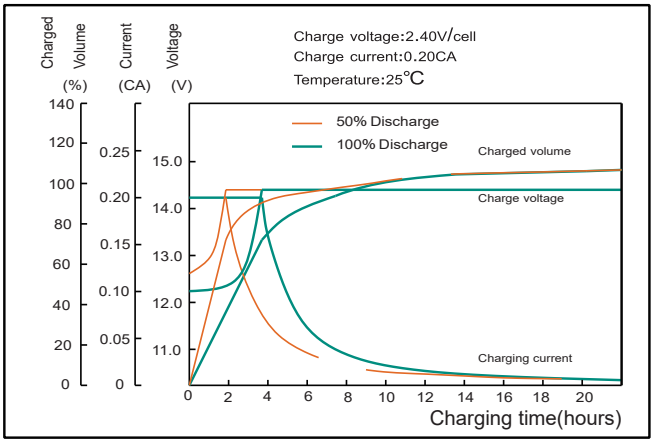
Note: The above characteristics data can be obtained within three charge or discharge cycles.

Performance characteristics

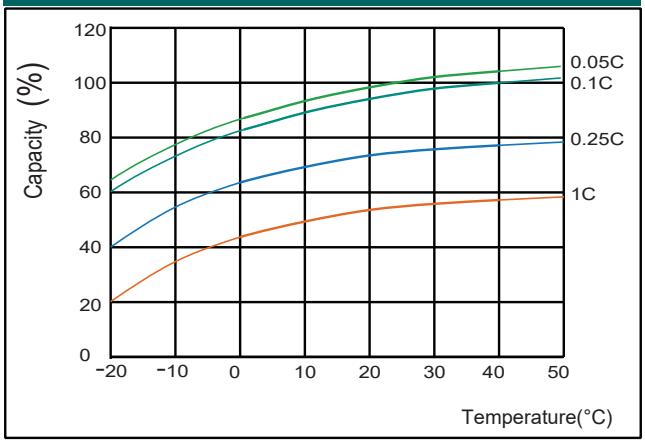
Discharge characteristics (25°C)



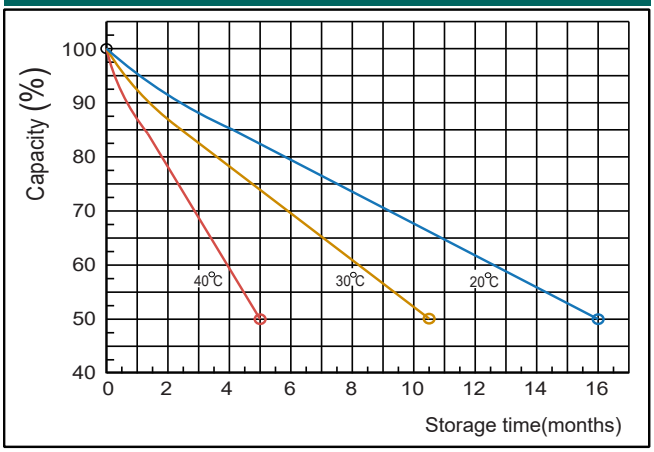
Charge characteristics (25°C)



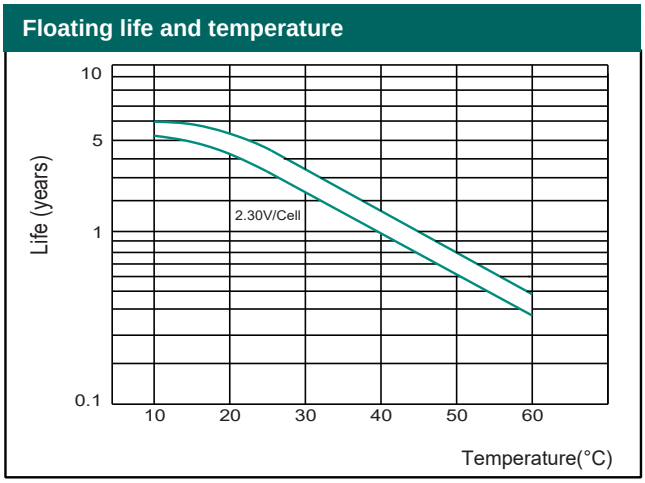
Effect of temperature on capacity



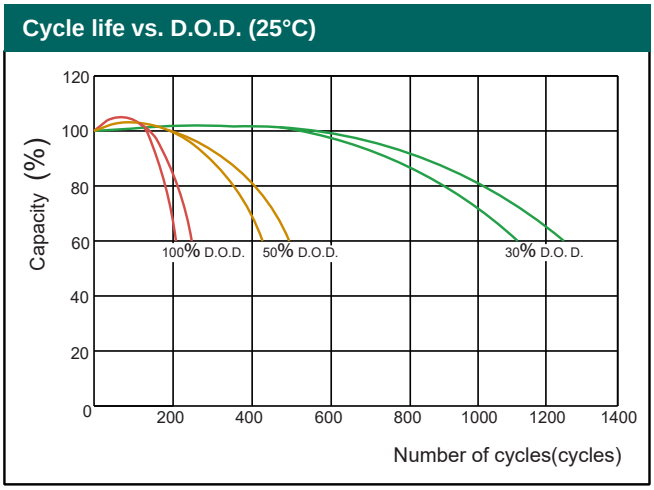
Self-discharge characteristics



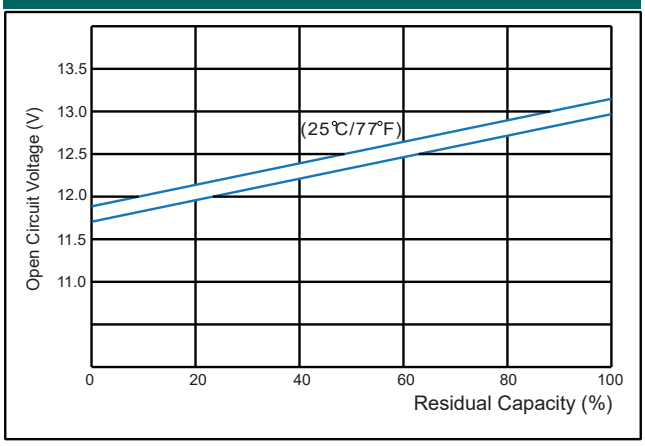
Floating life and temperature



Cycle life vs. D.O.D. (25°C)



OCV and capacity (25°C)



Charging voltage and temperature

