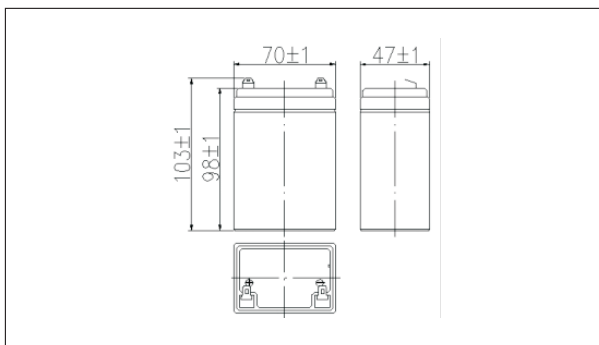


## NP12-2.6Ah 12V2.6Ah

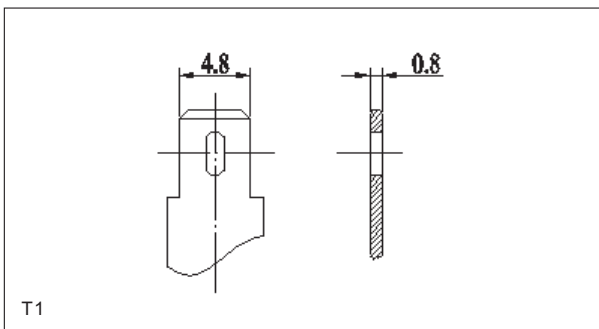
### Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		2.6Ah
Dimensions	Length	70±1mm(2.76inch)
	Width	47±1mm(1.85inch)
	Height	98±1mm(3.86inch)
	Total Height	103±1mm(4.06inch)
Approx. Weight		0.85kg(1.87lbs)±5%

### Outer dimensions (mm)



### Terminal Type (mm)



### Characteristics

Capacity (25°C)	20HR(10.5V)	2.6Ah
	10HR(10.5V)	2.3Ah
	1HR(9.60V)	1.6Ah
Terminal type		T1
Internal resistance (Fully charged,25°C)		Approx.40m Ω
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining Capacity:91%
	6 months	Remaining Capacity:82%
	12 months	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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		0.78A
Maximum discharge current		39A(5 sec.)
Designed floating life(20°C)		5 years

### 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	9.55	6.05	4.73	2.66	1.64	0.90	0.62	0.51	0.44	0.24	0.127
9.90V	9.26	5.87	4.61	2.61	1.61	0.89	0.62	0.51	0.43	0.24	0.126
10.2V	8.88	5.63	4.44	2.53	1.57	0.88	0.61	0.51	0.43	0.23	0.126
10.5V	8.50	5.38	4.29	2.47	1.54	0.87	0.61	0.50	0.43	0.23	0.125
10.8V	8.02	5.08	4.06	2.38	1.49	0.85	0.59	0.49	0.41	0.23	0.123

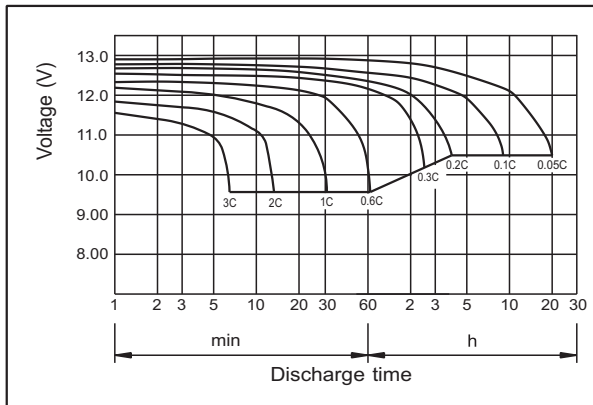
### Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	107	68.2	53.9	30.5	19.0	10.5	7.36	6.10	5.21	2.84	1.52
9.90V	103	66.2	52.6	29.9	18.7	10.4	7.32	6.07	5.18	2.83	1.52
10.2V	99.1	63.5	50.6	29.0	18.2	10.3	7.27	6.03	5.14	2.82	1.51
10.5V	94.9	60.7	48.9	28.3	17.8	10.2	7.22	5.98	5.10	2.80	1.50
10.8V	89.5	57.3	46.3	27.2	17.3	9.91	7.00	5.81	4.95	2.74	1.47

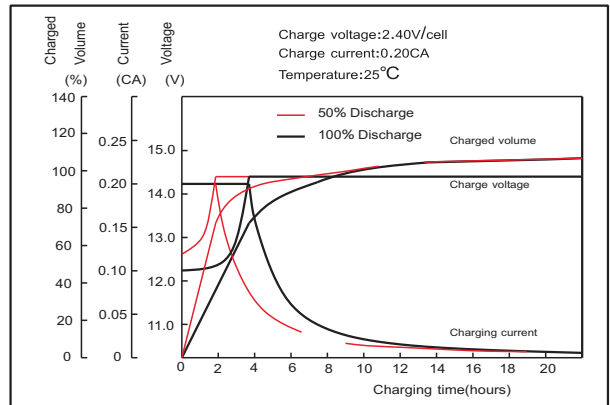
Note: The above characteristics data can be obtained within three charge or discharge cycles.

**NP12-2.6Ah 12V2.6Ah**

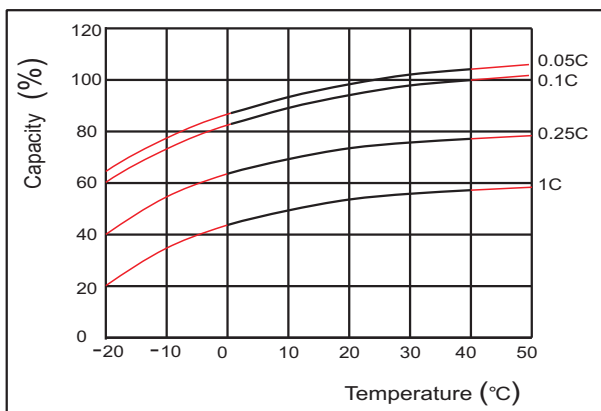
● **Discharge characteristics(25°C)**



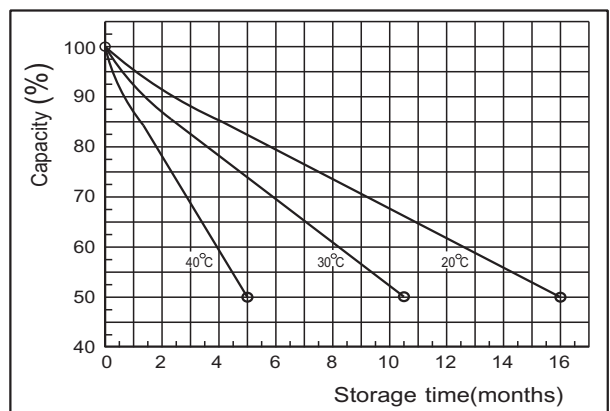
● **Charging characteristics (25°C)**



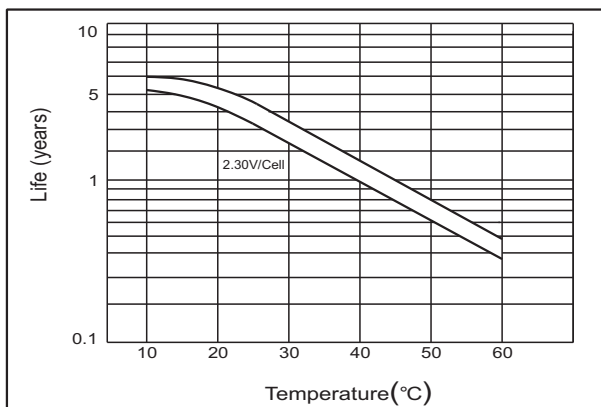
● **Effect of temperature on capacity**



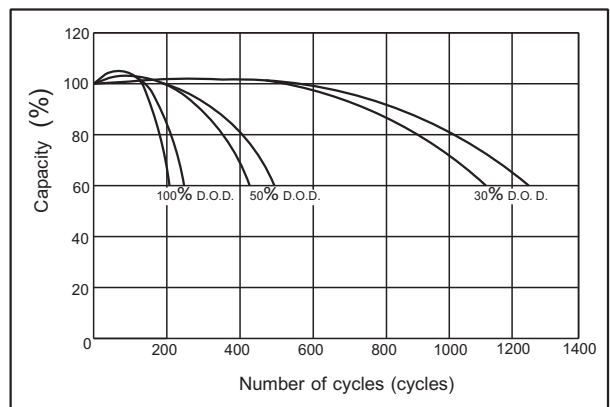
● **Self-discharge characteristics**



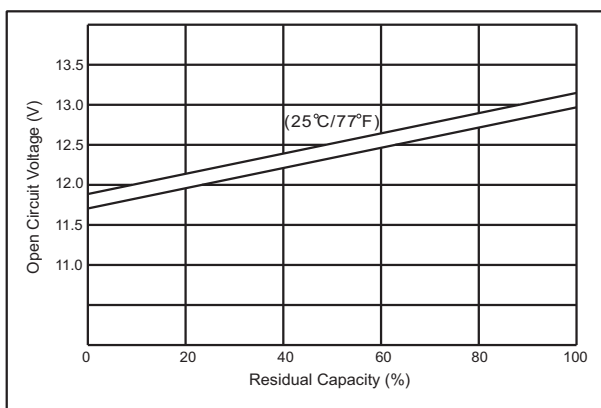
● **Floating life on temperature**



● **Cycle life on D.O.D(25°C)**



● **The relationship for OCV and Capacity (25°C)**



● **The relationship for Charging voltage and Temperature**

