

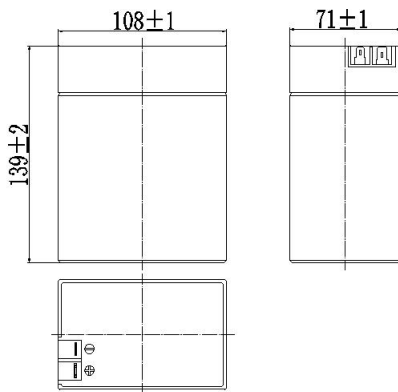
NP6-14Ah 6V14Ah

Specifications

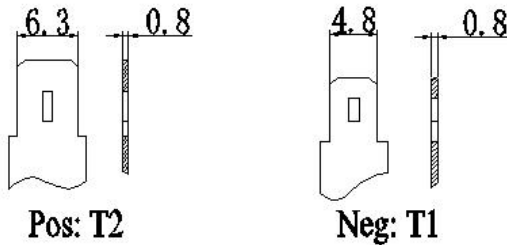
Nominal Voltage		6V
Rated capacity (20 hour rate)		14Ah
Dimensions	Length	108±2mm(4.25inch)
	Width	71±2mm(2.80inch)
	Height	139±2mm(5.47inch)
	Total Height	139±2mm(5.47inch)
Approx. Weight		2.25kg(4.96lbs)±3%



Outer dimensions (mm)



Terminal Type (mm)



Characteristics

Capacity (25°C)	20HR(5.25V)	14 Ah
	10HR(5.25V)	13Ah
	1HR(4.80V)	8.4Ah
Terminal type		+T2/-T1
Internal resistance (Fully charged,25°C)		Approx. 12mΩ
Capacity affected by temperature (10HR)	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 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)		6.75 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.50V Temperature compensation: -15mV/°C
Maximum charging current		4.2A
Maximum discharge current		50A(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	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	14.5	8.89	5.02	3.47	2.87	2.44	2.07	1.59	1.33	0.71
4.95V	14.2	8.76	4.99	3.45	2.85	2.43	2.06	1.58	1.32	0.71
5.10V	13.7	8.54	4.94	3.43	2.83	2.41	2.04	1.56	1.31	0.70
5.25V	13.4	8.37	4.87	3.40	2.81	2.39	2.03	1.55	1.31	0.70
5.40V	12.9	8.11	4.74	3.30	2.73	2.32	1.97	1.51	1.28	0.69

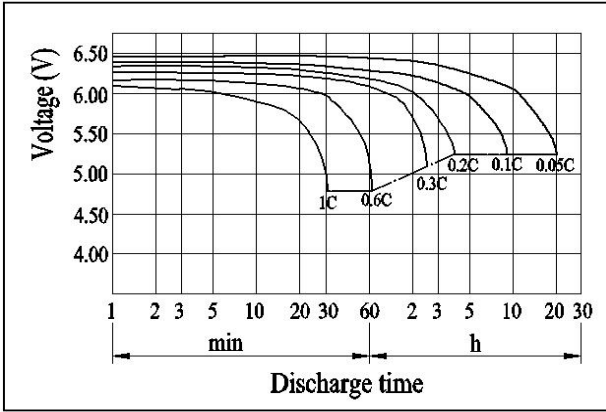
Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	82.9	51.5	29.3	20.6	17.1	14.6	12.4	9.51	7.95	4.26
4.95V	81.2	50.7	29.2	20.5	17.0	14.5	12.3	9.45	7.92	4.25
5.10V	78.7	49.4	28.9	20.3	16.9	14.4	12.2	9.39	7.88	4.23
5.25V	76.8	48.5	28.5	20.2	16.8	14.3	12.1	9.32	7.84	4.20
5.40V	74.0	47.0	27.8	19.6	16.3	13.9	11.8	9.04	7.68	4.12

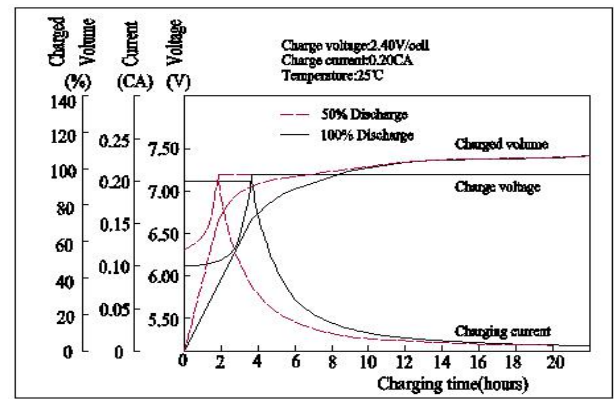
Note: The above characteristics data can be obtained within three charge or discharge cycles.

NP6-14Ah 6V12Ah

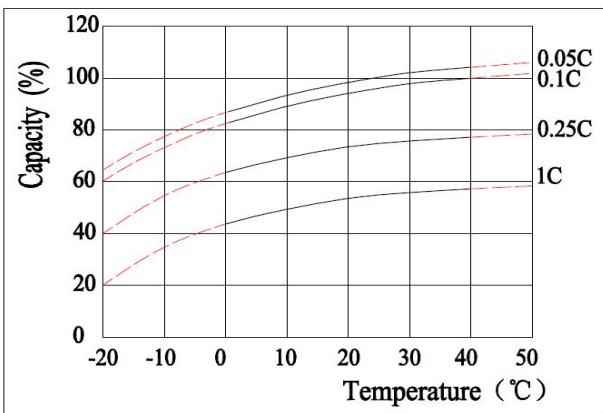
● Discharge characteristics(25°C)



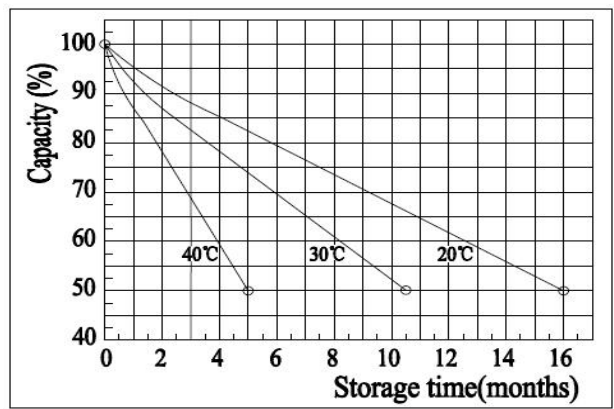
● Charging characteristics (25°C)



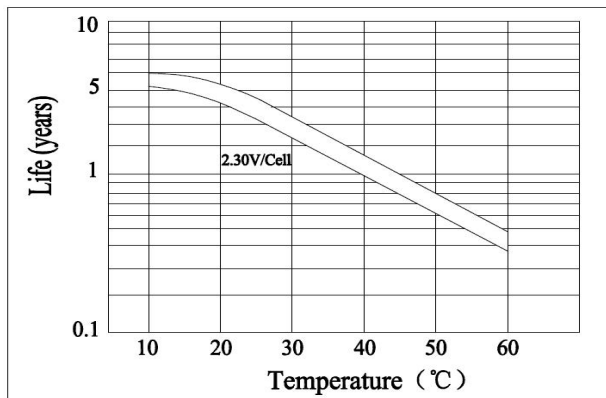
● Temperature effects on Capacity



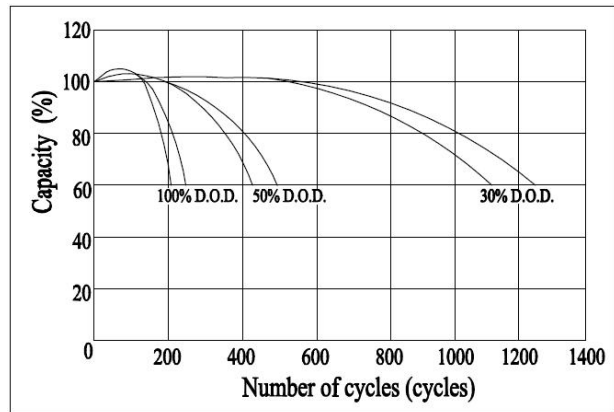
● Self-discharge characteristics



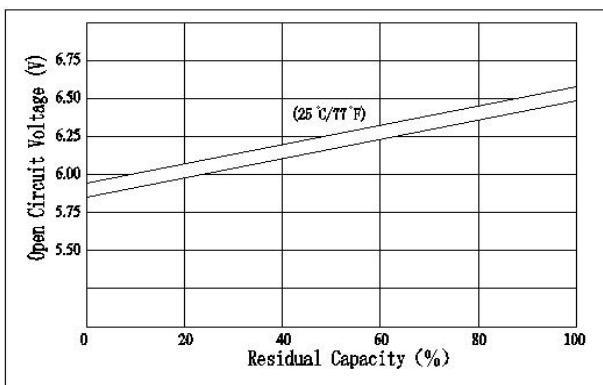
● Floating life on Temperature



● Cycle life on D.O.D (25°C)



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



● The relationship for Charging voltage and Temperature

