

## NPD6-200Ah 6V200Ah

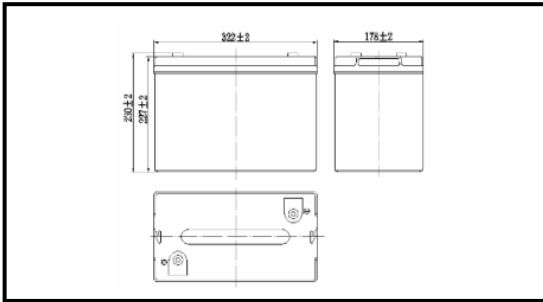
### Valve Regulated Lead Acid Battery



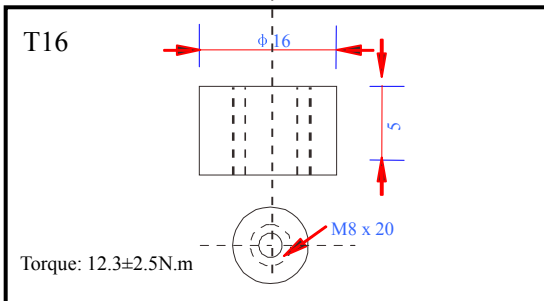
#### ● Specifications

Nominal voltage	6V (3 cells per unit)	
Rated capacity (10HR)	200Ah/5.4V	
Dimensions	Length	322±2mm (12.68inch)
	Width	178±2mm (7.01inch)
	Height	227±2mm (8.94inch)
	Total height	230±2mm (9.06inch)
Approx. weight	30.50kg (67.20lbs)±3%	

#### ● Outer dimensions (mm)



#### ● Terminal type (mm)



#### ● Characteristics

Capacity (25°C)	10HR (5.4V)	200Ah
	3HR (5.4V)	153Ah
	1HR (5.25V)	115Ah
Terminal type		T16
Internal resistance (Fully charged, 25°C)		Approx. 1.8mΩ
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 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)		6.75 to 6.90V Temperature compensation: -9mV/°C/Block
Cyclic charging voltage (25°C)		7.25 to 7.50V Temperature compensation: -15mV/°C/Block
Maximum charging current		60A
Maximum discharge current		1400A (5 sec.)
Design life	10 years for floating (25°C)	
	Eurobat (20°C): 6-9 years, general purpose.	

#### ● 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: Ampere/Block (at 25°C, 77°F)

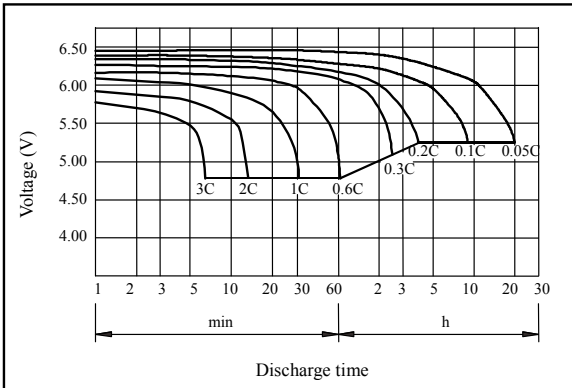
F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	449	346	207	127	75.3	54.2	43.3	37.0	25.4	21.0	11.1
4.95V	436	338	203	125	74.8	53.9	43.0	36.8	25.3	20.9	11.1
5.10V	418	325	197	122	74.2	53.5	42.7	36.5	25.1	20.9	11.1
5.25V	400	314	192	118	73.0	53.1	42.4	36.3	24.9	20.7	11.0
5.40V	377	298	185	115	71.2	51.6	41.2	35.2	24.2	20.6	10.9

#### ● Constant power discharge characteristics unit: Watt/Block (at 25°C, 77°F)

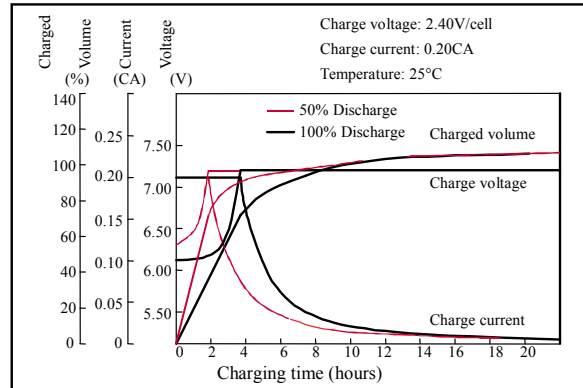
F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	2425	1900	1161	726	436	319	255	219	151	125	66.7
4.95V	2352	1854	1138	715	433	317	253	217	150	125	66.6
5.10V	2255	1786	1103	697	429	315	251	216	149	125	66.4
5.25V	2158	1725	1077	675	423	313	250	214	148	124	66.0
5.40V	2037	1634	1037	653	412	303	242	208	144	123	65.5

Note 1: Above characteristics data can be obtained within three charge and discharge cycles.

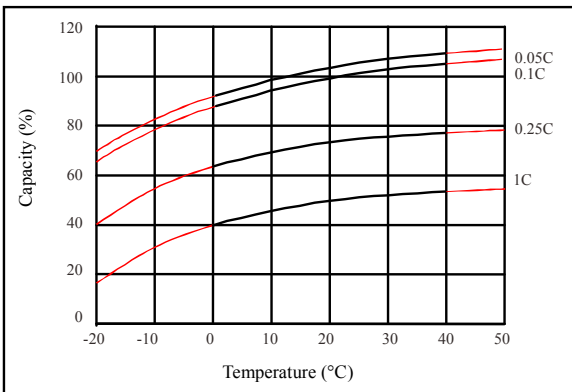
### ● Discharge characteristics (25°C)



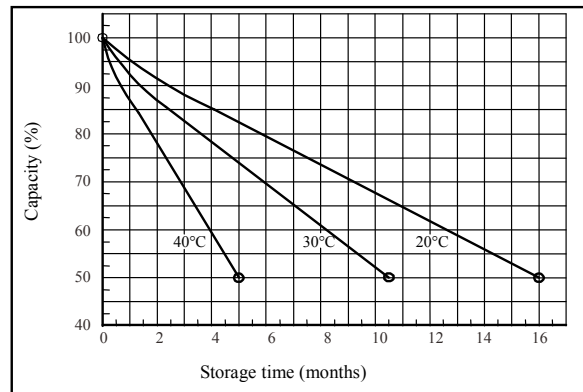
### ● Charging characteristics (25°C)



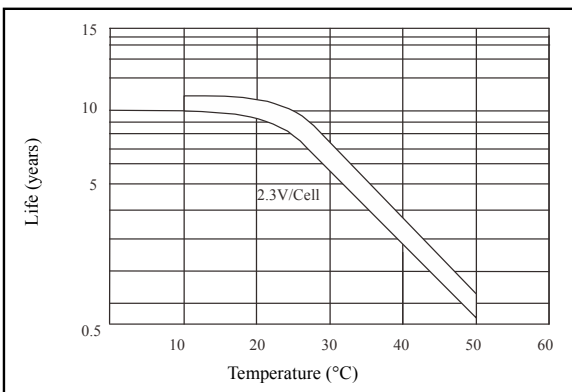
### ● Temperature effects on capacity



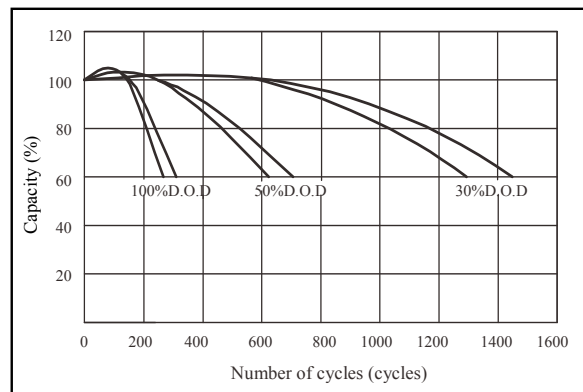
### ● Self-discharge characteristics



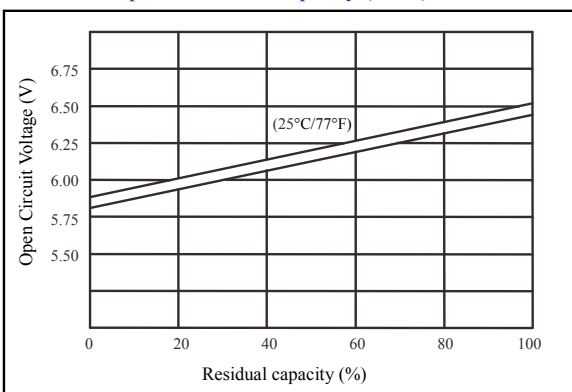
### ● Floating life on temperature



### ● Cycle life on D.O.D (25°C)



### ● Relationship for OCV and capacity (25°C)



### ● Relationship for charging voltage and temperature

