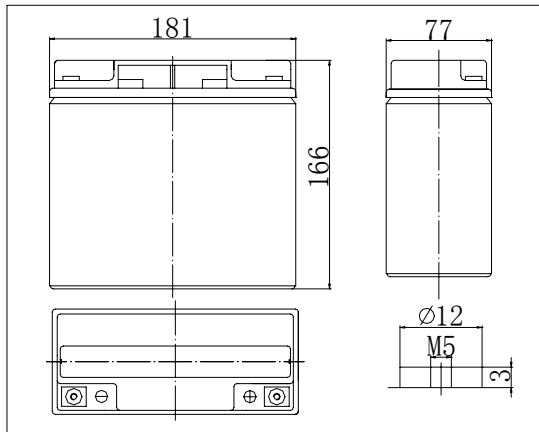
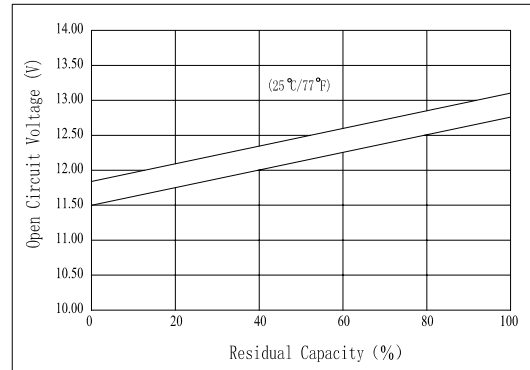


Dimensions



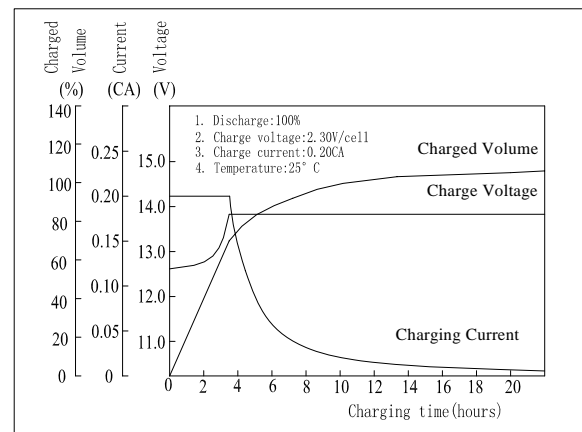
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Specifications

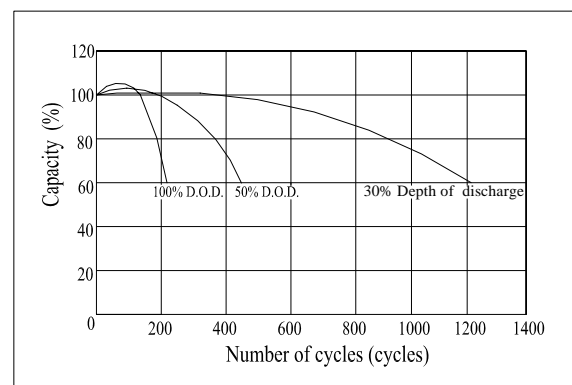
Nominal Voltage	12 V	
Capacity(20HR, 25°C)	22Ah	
Dimension	Length	181mm (7.13inch)
	Width	77mm (3.03inch)
	Height	166mm (6.54inch)
	Total Height	166mm (6.54inch)
Approx. Weight	6.40kg (14.1lbs)	
Internal resistance (Fully charged, 25°C)	Approx. 14mΩ	
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature	25°C ± 3°C (77°F ± 5°F)	
Operating temperature range	-15°C ~ 50°C (5°F ~ 122°F)	
Float charging voltage(25°C)	13.60 to 13.80V	
Cyclic charging voltage(25°C)	14.50 to 14.90V	
Maximum charging current	19.2A	
Terminal material	Copper	
Maximum discharge current	330A(5 sec.)	

Charging Characteristics(25°C)



- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Cycle Life(25°C)



Note: Floating life at 20°C designed for 3 to 5 years.

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	83.6	52.8	41.8	24.2	14.3	5.58	3.80	2.05	1.12
10.2V	79.4	50.2	40.1	23.2	13.7	5.50	3.74	2.04	1.11
10.8V	74.7	47.2	38.1	22.1	13.0	5.39	3.67	2.02	1.10

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	933	596	477	277	166	66.3	45.3	24.7	13.4
10.2V	886	566	457	266	159	65.3	44.7	24.4	13.3
10.8V	833	532	435	253	151	64.0	43.8	24.4	13.2