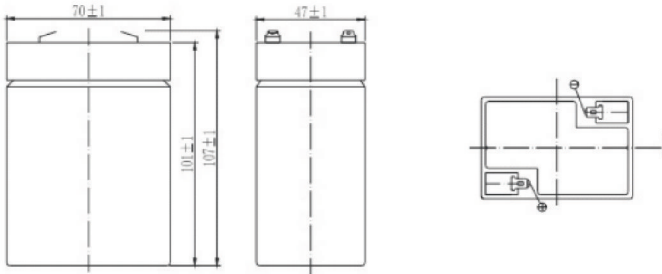


## (VRLA) Battery

Valve Regulated Lead Acid Battery

### Dimension

#### JP 4-6



**Applications:**

CCTV, CATV, Fiber Optic Communications,  
Emergency Lighting, Fire Alarm, Elevators  
Security Systems, Toys and Models UPS system



- 1 NO ELECTROLYTE LEAKAGE
- 2 EASY MAINTENANCE
- 3 ENSURE SAFE AND EFFICIENT OPERATION

### Specification

Nominal Voltage  
**6v**



Dimension

**L 70mm**

**W 34mm**

**H 101mm**



Weight (Approx)  
**1.1kg**



Nominal Capacity  
**4AH/20HR**



Internal Resistance  
**<2.3mΩ**



Container Material  
**ABS**



Float Charging  
**6.75V~6.90V**



Cycle Charging  
**7.25V~7.30V**



Terminal:  
**F1/F2**



Operating Temperature Range

Discharging  
**-15°C to 50°C**

Charging  
**-10°C to 50°C**

Storage  
**-20°C to 50°C**



Cyclic  
**400-2400 Charge / Discharge (Refer Cyclic Curve)**



Expected Float Use Life (20°C)  
5 years  
**\*DOD 50%**

## Constant Current Discharge Characteristics

Unit : A ( 25°C, 77°F )

F.V/Time	5 min	10 min	15 min	30 min	60 min	2h	3h	4h	5h	10h	20h
4.80 V	17.2	10.9	8.51	4.79	2.95	1.61	1.12	0.92	0.78	0.43	0.23
4.95 V	16.7	10.6	8.30	4.70	2.90	1.60	1.11	0.92	0.78	0.42	0.23
5.10 V	16.0	10.1	7.99	4.55	2.83	1.59	1.10	0.91	0.77	0.42	0.23
5.25 V	15.3	9.69	7.72	4.44	2.77	1.56	1.09	0.90	0.77	0.42	0.23
5.40 V	14.4	9.15	7.31	4.28	2.69	1.52	1.06	0.88	0.75	0.41	0.22

## Constant Power Discharge Characteristics

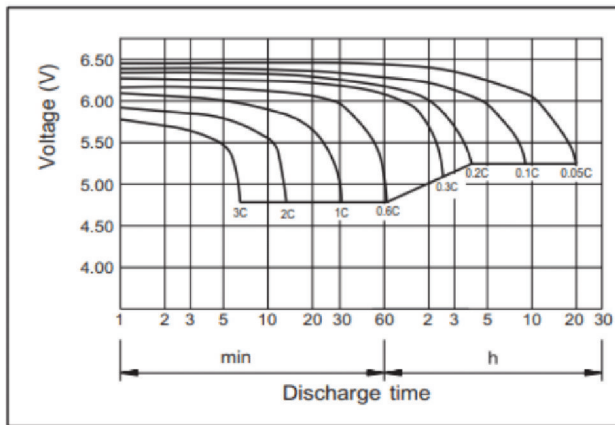
Unit : W ( 25°C, 77°F )

F.V/Time	5 min	10 min	15 min	30 min	60 min	2h	3h	4h	5h	10h	20h
4.80 V	95.9	61.4	48.5	27.5	17.1	9.43	6.63	5.69	4.69	2.56	1.37
4.95 V	93.0	59.4	47.3	26.9	16.8	9.38	6.59	5.46	4.66	2.55	1.36
5.10 V	89.2	57.1	45.6	26.1	16.4	9.29	6.54	5.42	4.63	2.53	1.36
5.25 V	85.4	54.7	44.0	25.5	16.1	9.15	6.50	5.39	4.59	2.52	1.35
5.40 V	80.6	51.6	41.7	24.5	15.6	8.92	6.30	5.22	4.46	2.47	1.32

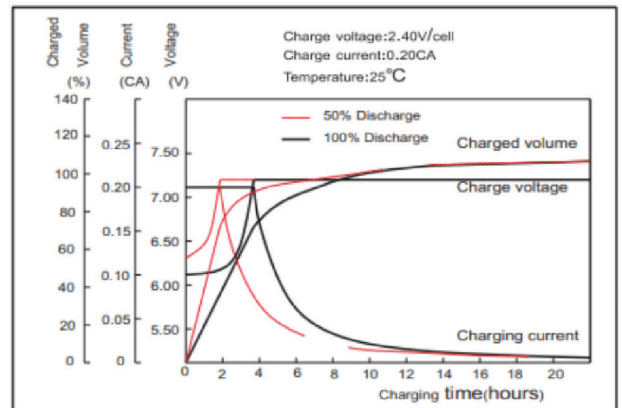
Note : The Above Characteristics data can be obtained within charge or discharge cycles.

## Characteristics

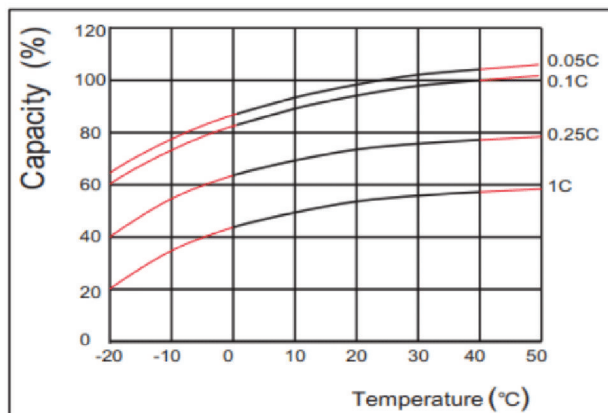
Discharge Characteristics (25 C)



Charging Characteristics (25 C)



Effect of Temperature on Capacity



Self-Discharge Characteristic

