



### SPECIFICATIONS

Cells Per Unit	6
Voltage Per Unit	12
Capacity	2.3Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx. 0.85kg
Max. Discharge Current	34.5A (5sec)
Internal Resistance	Approx. 58mΩ
Operating Temperature Range	Discharge: -20°C~50°C
	Charge: -20°C~50°C
	Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.50 to 13.80V DC/unit Average at 25°C
Max. Charging Current	0.69A
Equalization and Cycle service	14.70 to 15.00V DC/unit Average at 25°C
Self Discharge	The batteries can be stored for more than 6 months at 25°C. Please charge batteries before using. For high temperature, the time interval will be shorter.
Terminal	Faston Tab 187(T1)
Constainer Material	ABS(UL94-HB) Flammability resistance of UL94-V0 is available on request.

### APPLICATION

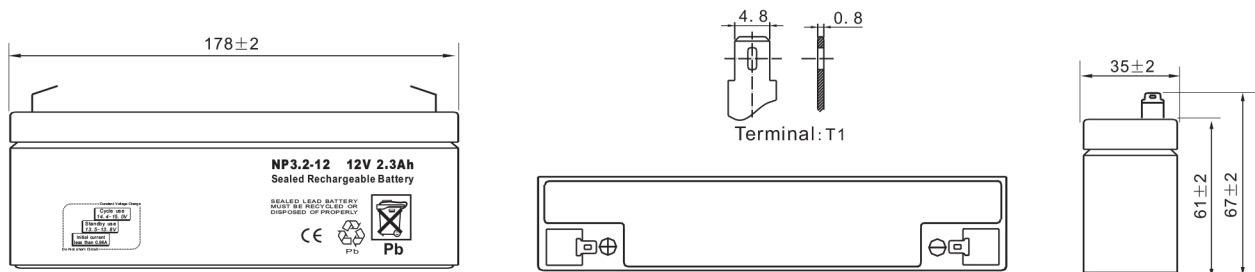
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system



ISO9001

### DIMENSIONS

Unit: mm



### Constant Current Discharge Characteristics Unit:A(25°C,77°F)

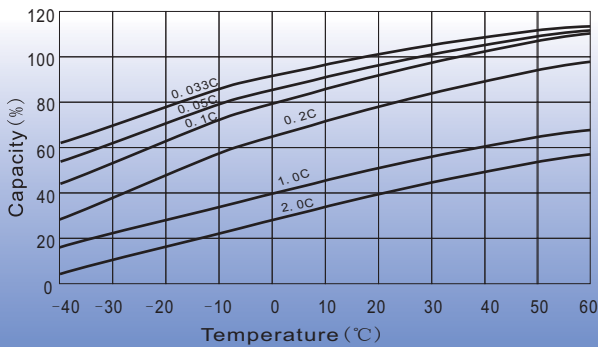
F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	8.00	5.50	3.97	2.40	1.75	1.43	0.59	0.40	0.22	0.118
1.65V/cell	7.68	4.98	3.88	2.36	1.74	1.42	0.59	0.40	0.22	0.117
1.70V/cell	6.97	4.81	3.83	2.34	1.72	1.41	0.58	0.39	0.21	0.116
1.75V/cell	6.30	4.43	3.72	2.32	1.66	1.40	0.58	0.39	0.21	0.115
1.80V/cell	5.72	4.11	3.45	2.18	1.64	1.38	0.56	0.38	0.20	0.105

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

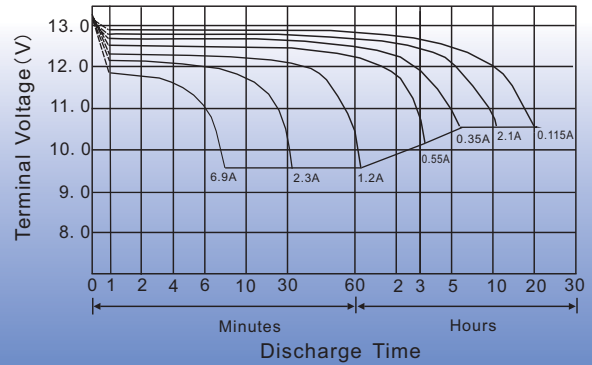
F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V/cell	13.19	9.09	7.16	4.55	3.43	2.82	1.16	0.76	0.43	0.233
1.65V/cell	12.67	9.04	7.12	4.41	3.40	2.81	1.15	0.75	0.43	0.232
1.70V/cell	11.85	8.82	6.98	4.32	3.31	2.76	1.14	0.75	0.42	0.230
1.75V/cell	10.99	8.27	6.52	4.09	3.28	2.73	1.13	0.74	0.42	0.226
1.80V/cell	9.92	7.71	6.15	4.04	3.18	2.66	1.10	0.73	0.41	0.207

All mentioned values are average values.

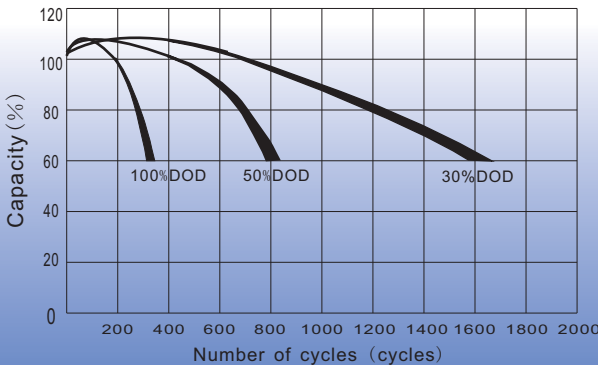
### TEMPERATURE EFFECTS CURVE



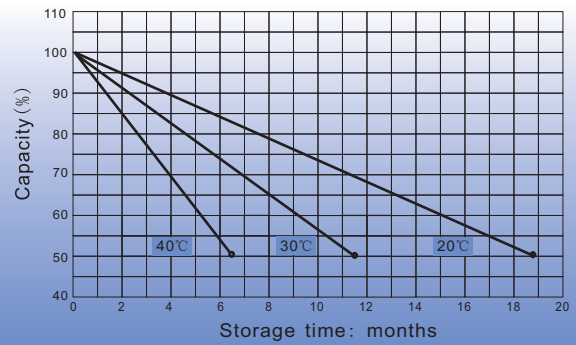
### DISCHARGE TIME VS. DISCHARGE CURRENT (25°C)



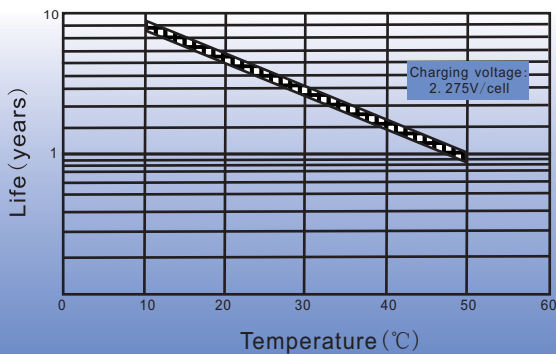
### LIFE CHARACTERISTICS OF CYCLIC USE



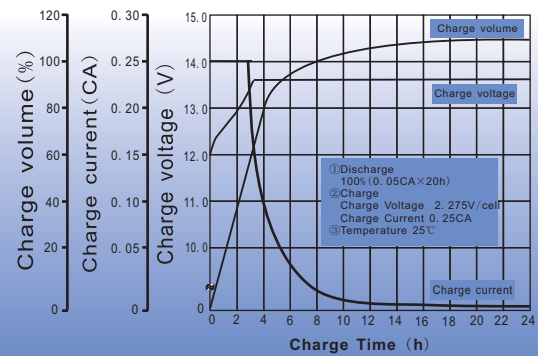
### SELF-DISCHARGE CHARACTERISTIC



### EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE



### CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



### Charging Procedures

Application	Charge Voltage (V/cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C	2.475	2.45~2.50	0.3C
Standby Use	25°C	2.275	2.25~2.30	

### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.7	1.6	1.3
Discharge Current(A)	0.2C > (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1.0C	(A) > 1.0C

Charge the batteries at least once every 6 months, if they are stored at 25°C.

### Charging Method

Constant Voltage	14.7~15.0V, 5~11h, Max. Current 0.3CA
Constant Current	0.1CA×5h
Fast	0.3CA×1.7h