

## 6EV240

### INTRODUCTION

The EV Series have a longer service life, our can deliver continuous power. The performance of your system will be relatively more stable as the battery produced by Sebang Group, one of the professional battery manufacturers in Korea, is capable to maintain excellence even in extremely high and low temperatures.

### APLICATION

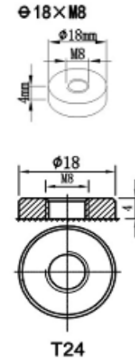
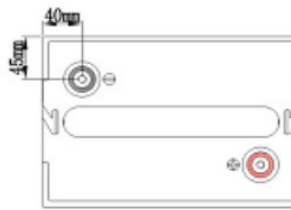
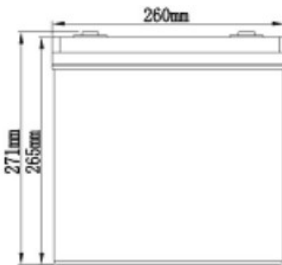
- Electric tools/toys
- Electric wheel chairs
- Golf trolleys and golf carts
- Telecom stations and power stations

### SPECIFICATION

Cell per Unit	3	Ambient Temperature
Nominal Voltage (V)	6	Charge 0°C (32°F) to 40°C (104°F)
Nominal Capacity (AH)	240Ah@ 10hour rate F.V(1.8V/cell)	Discharge -15°C (5°F) to 50°C (122°F)
Weight	Approx 33.5kg	Storage -15°C (5°F) to 40°C (104°F)
Internal Resistance (1KHz)	1.4mΩ	Max charge current
Max Discharge Current (5s)	1500A	Max charge current 55A
Battery Life	Stand by : 7~10 years	Cycle Use: Charge voltage: 7.05V to 7.20V
Terminal Type	T24	Stand By: Charge voltage: 6.8V to 6.9V
Container Material	ABS (94V-0 flame retardant case)	



Dimensions	Length	Width	Height	Total Height
Unit: mm	260±3	180±2	265±3	271±3

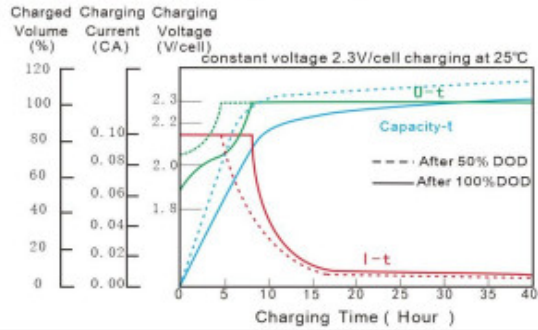


## Battery Discharge Table

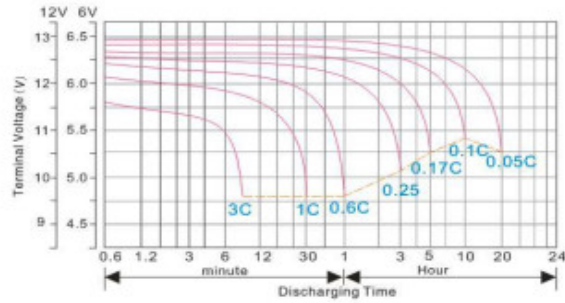
End Voltage	Minute (M)				Hour (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (@25°C) Unit: A												
4.80V	631	475	253	227	144	123	103	64.9	45.1	31.6	25.4	12.9
4.75V	600	453	241	219	141	120	101	63.3	44.0	31.1	25.1	12.8
5.10V	572	431	229	212	137	118	98	60.0	42.9	30.4	24.9	12.7
5.25V	525	403	219	203	132	113	95	58.7	40.8	28.8	24.5	12.6
5.40V	477	376	212	193	126	108	91	57.6	39.1	27.4	24.0	12.4
Constant Power Discharge Data Sheet (@25°C) Unit: W												
4.80V	3481	2496	1573	1149	979	715	538	401	257	190	158	81.1
4.75V	3315	2377	1498	1109	955	697	525	392	252	185	156	80.3
5.10V	3157	2264	1427	1072	932	680	512	382	245	182	155	79.5
5.25V	2681	2105	1395	1048	917	670	494	370	238	180	151	77.1
5.40V	2503	1947	1365	1012	876	638	478	357	230	178	143	76.4

## Performance Characteristics

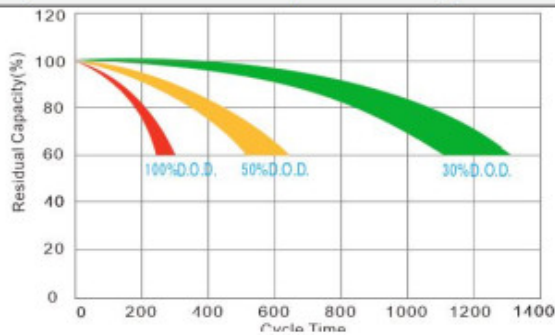
### Charge Characteristics (25°C/77°F)



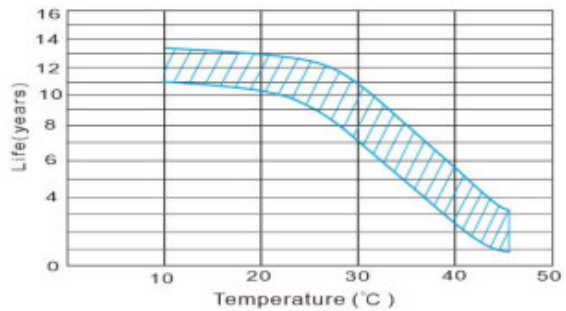
### Discharge Characteristic (25°C/77°F)



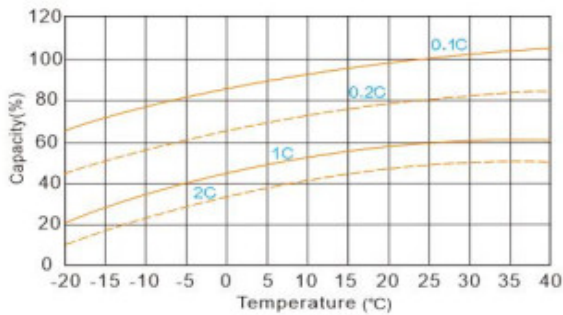
### Cycle Life in Relation to Depth of Discharge



### Temperature vs Float Life



### Capacity Curve At Different Temperature



### Self Discharge Characteristics

