

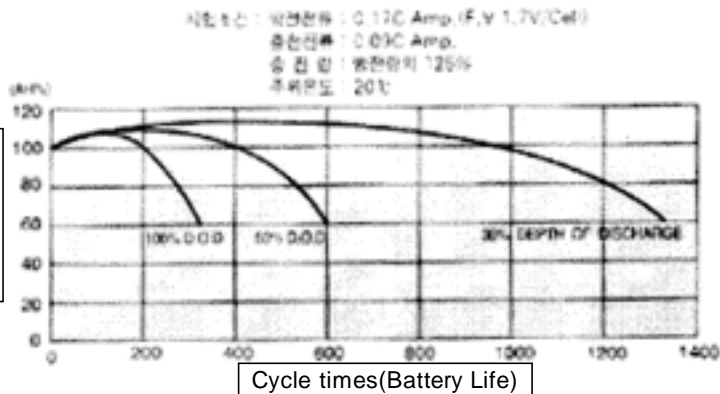
## Battery Life of ER-230

### 1.General Specification of Battery

Battery specification: Sealed Lead-Acid Rechargeable Battery  
Vendor: Global Battery Co., Ltd. (<http://www.gbattery.com>)  
Part Name: ES 1.2-6 (6V, 1.2AH)  
Charging Votage  
-Stand-by use: 6.66V  
-Cyclic use: 7.2V

### 2.Battery Life of ES 1.2-6

#### 1)Cyclic Charging



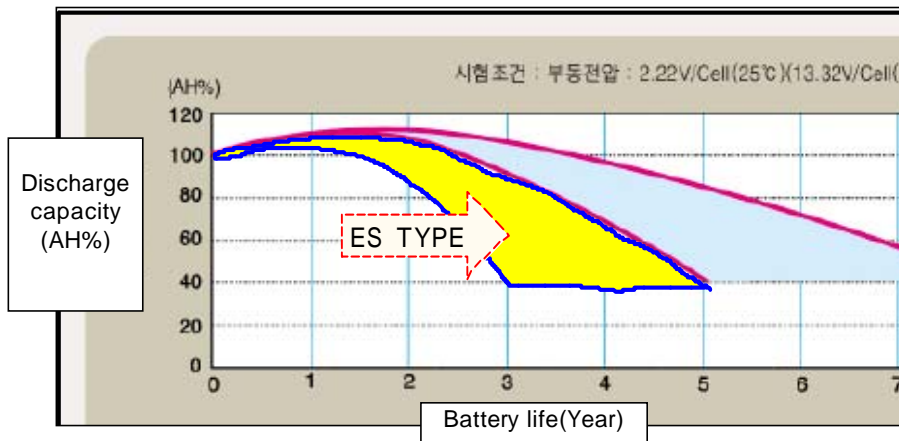
600 cycles (Temp.: 20 , D.O.D:50%)  
300 cycles (Temp.: 20 , D.O.D:100%)

#### #Remark

- 1)Cyclic Charging: Charging & Discharging repeatedly.
- 2)D.O.D: Dip of Discharging
- 3)Cyclic charging is used for POWER mainly.

#### 2)Stand-by Charging

(Temp.: 20~25 , Charging votage:13.5~13.8V)

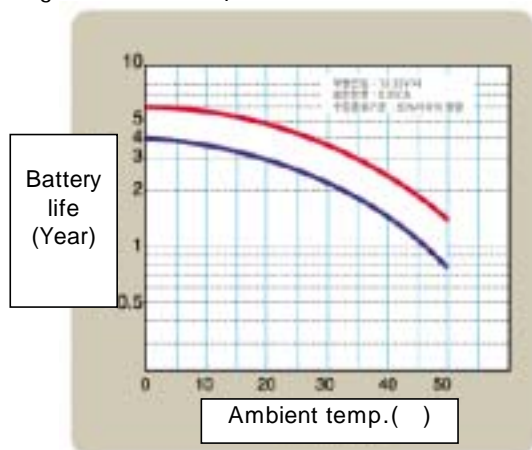


#### #Remark

- 1)Stand-by Charging: Charge from AC power under operating.
- 2)Stand-by charging is used for UPS mainly.

### 3.Relation Ambient temp. and Battery life

- 1)The higher ambient temperature results the less battery life.



### 4.Battery Life of ER-230

- 1) ER-230 battery is maintained and charged by both cyclic and stand-by charging method. Therefore when we consider various conditions like to operating environment, etc. we expect the life of Battery will be about 2~3 years.

### 5.Request for operating

- 1)ECR power switch should be off at the end of the day.
- 2)Battery should be fully charged over 24 hours, if charging required by ECR.
- 3)The stock which in warehouse, as possible as, you must charge one time per 6-months.
- 4)You must maintain ambient temperature inside the warehouse. (The higher Ambient temperature, the less Battery life)

### 6.Charging and Handling Precaution

#### <Charging>

- 1)Always charge batteries in an open, well-ventilated area.
- 2)Do not charge batteries near equipments which may produce sparks.
- 3)Do not charge in a sealed container.
- 4)Do not charge batteries near inflammable materials.
- 5)Electrolysis may cause to produce hydrogen and oxygen to be related towards the end of a charging cycle or in the event the battery is overcharged.

#### <Handling>

- 1)Never place or dispose of the battery near or in the fire.
- 2)Never short the terminals.
- 3)Never disassemble the battery.
- 4)Never clean ABS battery cases with organic solvents.
- 5)Sealed Lead-Acid battery must be recycled and disposed properly.
- 6)Sealed Lead-Acid battery contains diluted sulfuric acid.  
In the event of contact to skin or clothing, thoroughly rinse the contact area with water and seek medical attention.