

## 1、SCOPE

This specification defines the technical requirements for 6F22 super heavy duty battery.

### 1.1 type

|      |      |       |
|------|------|-------|
| JIS  | IEC  | Other |
| 6F22 | 6F22 | 1604  |

### reference document

IEC 60086-1: 2000 ---Primary Batteries - Genera

IEC 60086-2: 2001 ---Primary Batteries - Specification Sheets

GB/T 8897.1 2003 ----primary cell--general principles

GB 8897.2 2005 ----primary cell--Outside dimension and technical requiremei

## 2、Chemical system

Zinc-Manganese dioxide (Zinc Chloride Electrolyte)

\* 0% Mercury

3、Nominal Voltage :9.0  
+1.35volt  
-0.0volt

4、Weight : 37.0 g

## 5、Capacity

(test temperature:  $20\pm 2^{\circ}\text{C}$ , tested within 30days after delivery。)

|                 | off-load voltage (V) | on-load voltage(V) | acceptance standard                                 |
|-----------------|----------------------|--------------------|-----------------------------------------------------|
| initial voltage | 9.0<br>+1.35<br>-0.0 | 9.0/180 $\Omega$   | MIL-STD105E , ordinary II ,<br>subsampling ,AQL=0.4 |

remark 1: initial voltage is 60days from production date

2: the discharge indexes after 12 months storaged is the 80% of theaverage minimum discharge time

## 6、discharge capacity

(condition : test temp:  $20\pm 2^{\circ}\text{C}$ , tested within 30days after delivery。)

| discharge condition |                      | discharge time(h)     |                   |
|---------------------|----------------------|-----------------------|-------------------|
| discharge load      | daily discharge time | end point voltage (V) | Not less than (h) |
| 620 $\Omega$        | 2h/d                 | 5.4                   | 29                |
| 270 $\Omega$        | 1h/d                 | 5.4                   | 11                |
| 180 $\Omega$        | 0.5h/d               | 4.8                   | 8                 |
| 180 $\Omega$        | 24h/d                | 4.8                   | 4.2               |

Satisfaction standard:

9pieces of batteies will be tested for each discharging standard。

The result of the average discharging time from each discharging standard shall be equl to or more than the average minimun time requirement