

#### 4. Indication

The manufacture code and origin shall be indicated on the surface of the cell.

#### 5. Required functions for charger, protection circuit and application

To insure the safety, charger and the protection circuit shall be satisfied all the following items. As safety device, please use in combination with the temperature fuse, PTC (Positive Temperature Coefficient), Thermistor, and Thermostat. The standard charging method is CC-CV (Constant Current-Constant Voltage).

##### 5.1 Required functions for charger

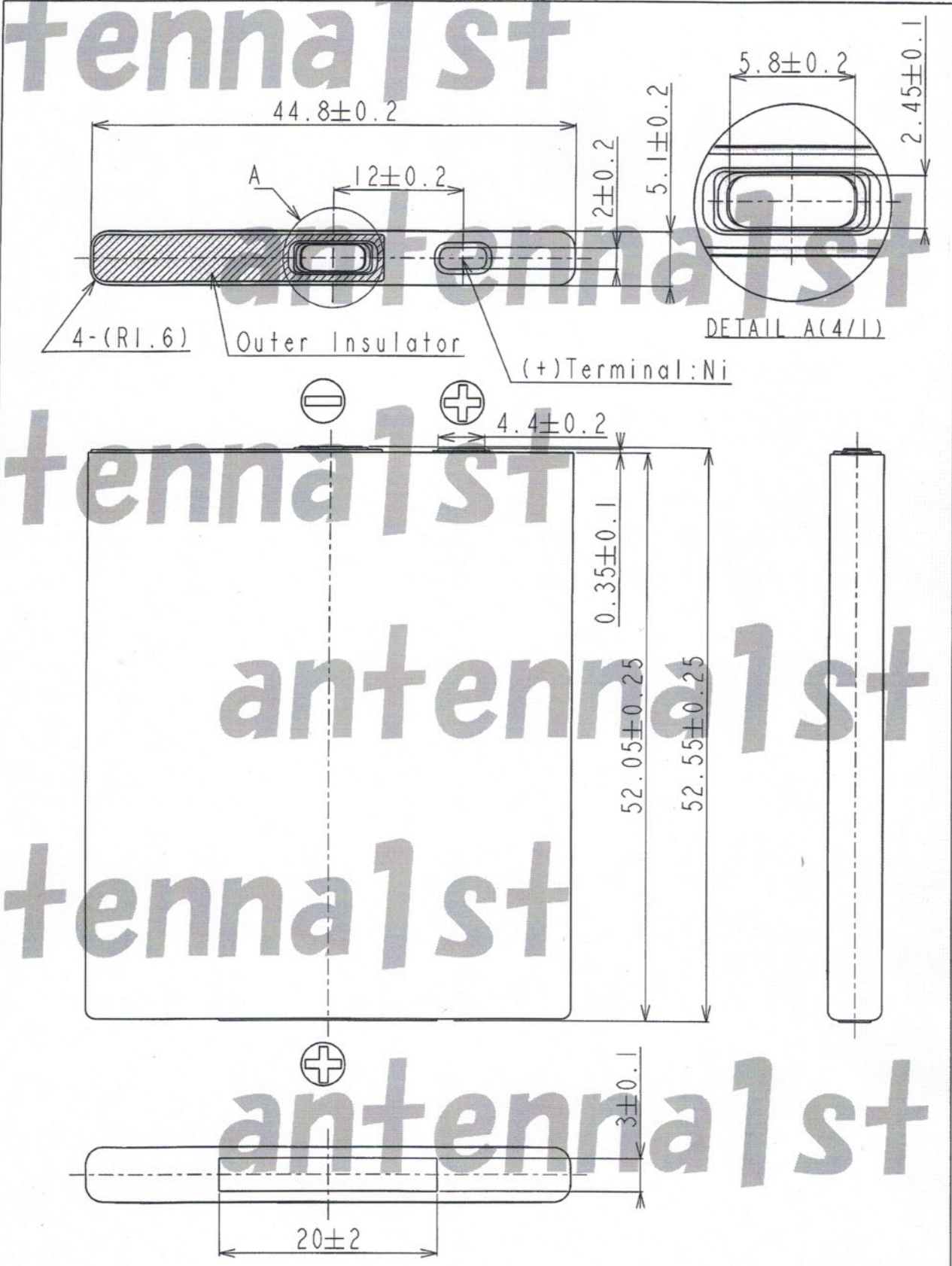
| No. | Items                          | Condition      | Notes            |
|-----|--------------------------------|----------------|------------------|
| 1   | Charging Method                | CC-CV          |                  |
| 2   | Maximum Charge Current         | 1620 mA        | Per Cell         |
| 3   | Rated Charge Voltage           | 4.20 V         | Per Cell         |
| 4   | Maximum Charge Voltage         | 4.25 V         | Per Cell         |
| 5   | Timer                          | 5 hours Charge | Current: 1620 mA |
| 6   | Operating Temperature (Charge) | 0~+45 °C       |                  |

##### 5.2 Required protection circuit

| No. | Items                      | Condition  | Notes    |
|-----|----------------------------|--|----------|
| 1   | Overvoltage Limit          | 4.28±0.03 V  | Per Cell |
| 2   | Charge Enable Voltage      | 4.20 ±0.05 V   | Per Cell |
| 3   | Undervoltage Limit         | 2.20 V~2.75V   | Per Cell |
| 4   | Discharge Enable Voltage   | 2.20 V~2.75V   | Per Cell |
| 5   | Charge Prohibition Voltage | 0.4 V or less  | Per Cell |
| 6   | Overcurrent Limit          | 4860 mA (3C)   |          |
| 7   | PTC                        | VTP175 (Raychem Corporation) or PTC with same function |          |

##### 5.3 Application

| No. | Items                                | Condition     | Notes    |
|-----|--------------------------------------|---------------|----------|
| 1   | Maximum Continuous Discharge Current | 2430 mA(1.5C) | Per Cell |
| 2   | Operating Temperature (Discharge)    | -20~+60 °C    |          |



DIMENSION : mm

|  |            |       |              |     |
|--|------------|-------|--------------|-----|
|  | PROJECTION | SCALE | TITLE        | SH. |
|  |            | 2:1   | ICP534553ZSU |     |