

## Specification of Battery Pack

|                   |                  |                      |             |
|-------------------|------------------|----------------------|-------------|
| Customer Name     | For R/C Toy Cars | Customer Drawing #   | /           |
| Project #         | K061101          | Pack Drawing #       | SK2108-01   |
| Chemistry         | Ni-MH            | Pack Specification # | SK061101    |
| Quantity of Cells | 8                | Connector Type       | /           |
| Cell Model        | SP160AAMH        | Pack Model #         | SP160AAMH*8 |

| Description of Specification  |                       |                            |           |                             |                           |                        |                |
|-------------------------------|-----------------------|----------------------------|-----------|-----------------------------|---------------------------|------------------------|----------------|
| Nominal Voltage (V)           | <b>9.6V</b>           |                            |           |                             |                           |                        |                |
| Nominal Capacity (mAh)        | <b>1600mAh</b>        |                            |           |                             |                           |                        |                |
| Weight                        | 200g                  |                            |           |                             |                           |                        |                |
| Capacity                      |                       | Charge                     | Discharge | Nominal                     |                           | Typical                |                |
|                               | Low Rate              | 0.1C                       | 0.2C      | 1600                        | mAh                       | 1640                   | mAh            |
|                               | High Rate             | 0.1C                       | 1C        | 1280                        | mAh                       | 1440                   | mAh            |
| Charging                      |                       | Standard                   |           | Quick*                      |                           | Fast*                  |                |
|                               | Minimum Charge        | 160                        | mA        | 160                         | mA                        | 160                    | mA             |
|                               | Time Required (hrs)   | 16                         | Hours     | 16                          | Hours                     | 16                     | Hours          |
|                               | Maximum Charge        | 320                        | mA        | 800                         | mA                        | 1600                   | mA             |
|                               | Time Required (hrs)   | 8                          | Hours     | 150                         | min                       | 72                     | min (or - Δ V) |
|                               | Minimum Overcharge    | 160                        | mA        |                             | for                       | 24                     | Hours          |
| Maximum Overcharge            | 1600                  | mA                         | for       | 90                          | min                       | (with cut-off control) |                |
| Maximum Discharge Current     | Continuous            | 8                          | A         |                             |                           |                        |                |
|                               | Momentary (1 second ) | 16                         | A         |                             |                           |                        |                |
| Temperature                   |                       | Storage for < 1 Month (°C) |           |                             | Storage for < 1 Year (°C) |                        |                |
|                               | Minimum               | -20                        |           |                             | -10                       |                        |                |
|                               | Maximum               | 45                         |           |                             | 35                        |                        |                |
|                               |                       | Discharge (°C)             |           |                             | Charge (°C)               |                        |                |
|                               | Minimum               | -10                        |           |                             | 0                         |                        |                |
|                               | Maximum               | 50                         |           |                             | 40                        |                        |                |
| Service Life                  | Standard (IEC61436)   | 500                        |           | cycles (for reference only) |                           |                        |                |
| Designations                  | IEC - 61436/FIDS      |                            |           |                             |                           |                        |                |
| Appearance and Dimensions(mm) | Refer to drawing #    | Height                     | Width     | Length                      |                           |                        |                |
|                               |                       | MAX100                     | MAX15.0   | MAX59.0                     |                           |                        |                |
| Components and Parts          | Connector             | /                          |           |                             |                           |                        |                |
|                               | Polyswitch            | /                          |           |                             |                           |                        |                |
|                               | Thermostat            | /                          |           |                             |                           |                        |                |

\* Quick and Fast charge requires charge control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

Remark: The information contained herein is presented only as a guide for the applications of our products.

Data in this specification are subjected to change without notice and become contractual only after written confirmation by STI(HONG KONG) LTD.