

GP Batteries

Data Sheet

Model No.:DR30

Document Number: SDS0315

Revision:01

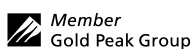
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Specifications :

| | | |
|-------------------|---|--|
| Model No | : | DR30 |
| Battery Type | : | Nickel Metal Hydride |
| Color | : | Black (BLK) |
| Battery | : | 6 x GP380AFH |
| Nominal Voltage | : | 7.2V |
| Cut Off Voltage | : | 6.0V |
| Nominal Capacity | : | 3700 mAh at 0.2C** |
| Minimum Capacity | : | 3515 mAh at 0.2C** |
| Temperature Range | : | Charge : 0 ~ 45 °C Discharge : -20 ~ 50 °C Storage : -20 ~ 35 °C |
| Casing Material | : | Polycarbonate |
| Typical Weight | : | 350g |
| Charging | : | Battery should be charged in an Original Manufacturer charger. First Charge Rate : 0.1C Subsequent Charge Rate : 0.1C ~ 1C |
| Leakage Test | : | Leakage test starts after battery is fully discharged. Battery shall be placed under load. The battery should be monitored for a period up to two months but not less than ten days. |
| Safety | : | Each pack is equipped with a thermistor, polyswitch and thermal fuse to protect battery from high temperature and/or short-circuit. Each cell is equipped with a safety vent system in case abuses occur. |
| Warranty | : | Six (6) months limited warranty from date of purchase. |

**' Battery pack should be firstly charged and discharged for 3 complete cycles as a warm-up.

The pack should then be charged at 0.1C and its capacity be measured be discharging at 0.2C till cut.



Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.

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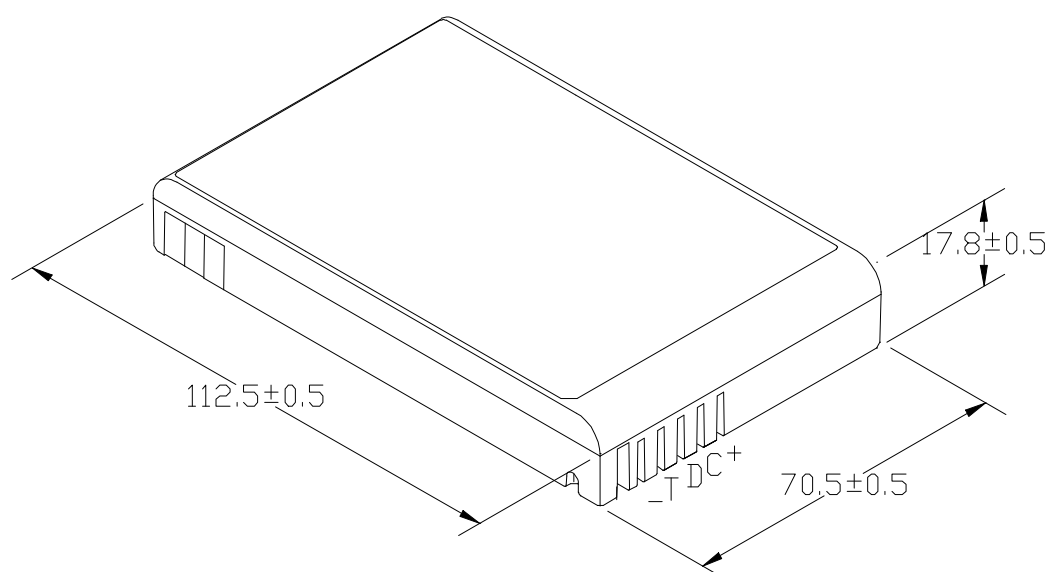
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Mechanical Drawing :



Remark: Dimensions showed are for reference only. For detail, please refer to the engineering drawing.

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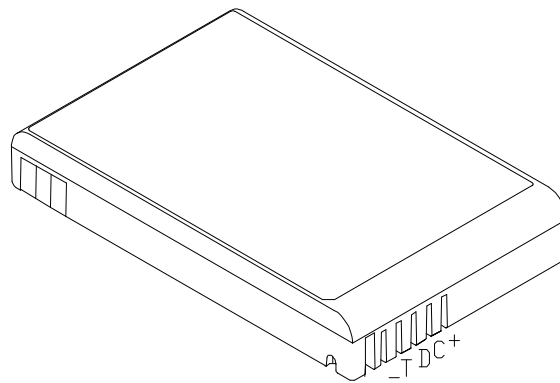
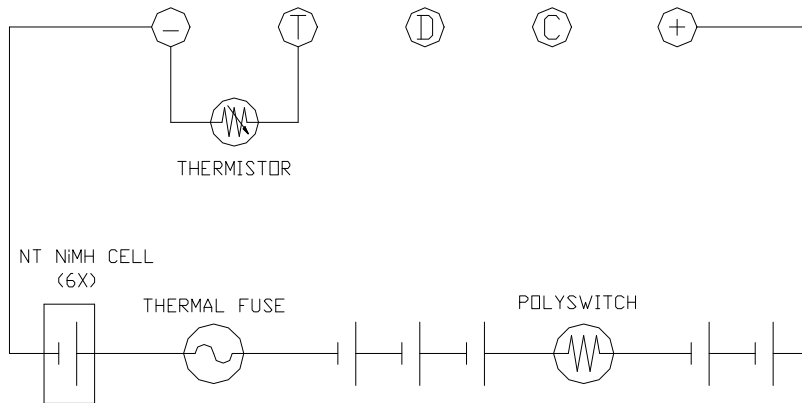
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Circuit Diagram :



| | | |
|-------------------|------------------------|---|
| OPEN-CIRCUIT TEST | '+' - 'C' '+' - 'D' | TERMINALS '+' - 'C' & '+' - 'D' ARE CONNECTED TO MULTIMETER'S ' —▷ ' POLE: NO "BEEP" SOUND SHOULD BE HEARD |
| THERMISTOR | 'T' - '-' | 8.3~12.1K ohm (AT 20~23°C) |
| OCV | '+' - '-' | 6.0V MIN. ('+' IS THE +VE TERMINAL & '-' IS THE -VE TERMINAL) |
| CHECK POINT | SPECIFICATION | |