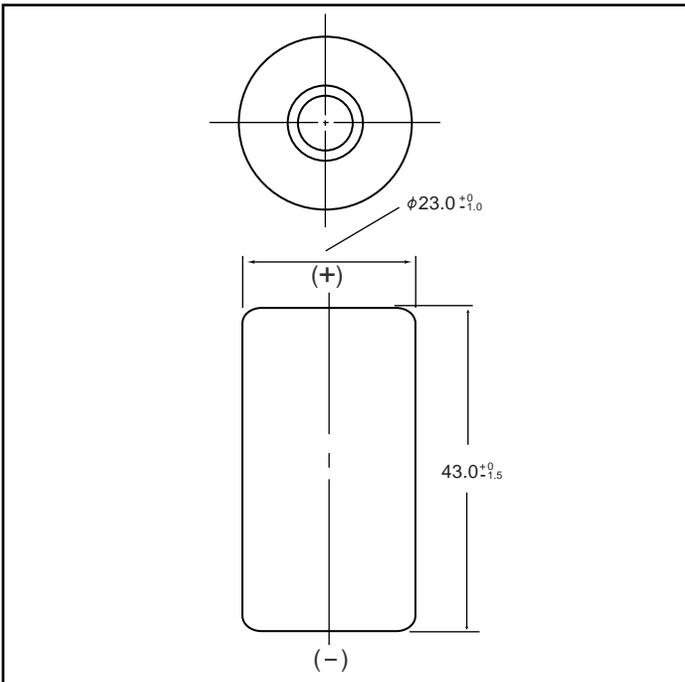


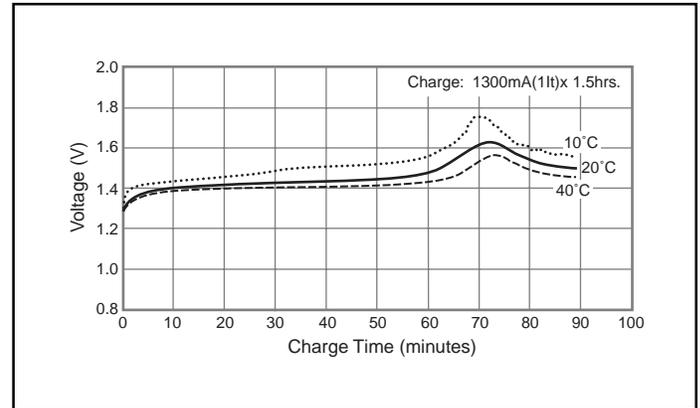
NICKEL CADMIUM BATTERIES: INDIVIDUAL DATA SHEET

P-130SCS SC size (KR23/43) Type: R

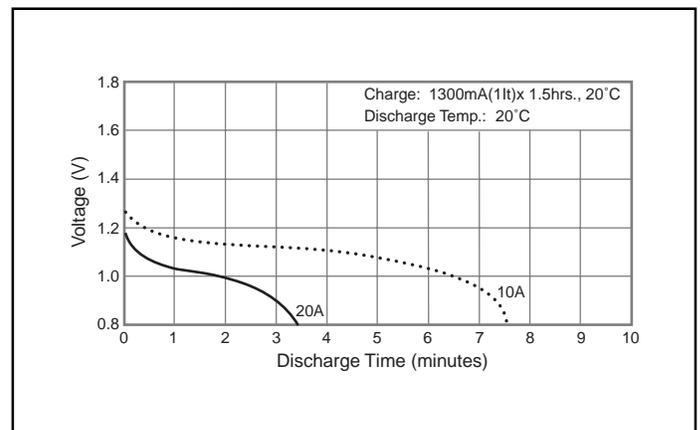
Dimensions (with tube) (mm)



Typical Charge Characteristics



Typical Discharge Characteristics



Specifications

| | mm | inch |
|--------------------|--------------|---------------|
| Diameter | 23.0 +0/-1.0 | 0.89 +0/-0.02 |
| Height | 43.0 +0/-1.5 | 1.69 +0/-0.06 |
| Approximate Weight | Grams | Ounces |
| | 44g | 1.55 |

| | | | | |
|---|--------------|-------------------------|---------------|---------------|
| Nominal Voltage | | 1.2V | | |
| Discharge Capacity* | Average** | 1450mAh | | |
| | Rated (Min.) | 1300mAh | | |
| Approx. Internal impedance at 1000Hz at charged state | | 6mΩ | | |
| Charge | Standard | 130mA (0.1It) x 16 hrs. | | |
| | Rapid*** | 1300mA (1It) x 1.5 hrs. | | |
| Ambient Temperature | Charge | Standard | °C | °F |
| | | | 0°C to 45°C | 32°F to 113°F |
| | Rapid | 10°C to 40°C | 50°F to 104°F | |
| | | Discharge | | -20°C to 65°C |
| Storage | < 2 years | -20°C to 35°C | -4°F to 95°F | |
| | < 6 months | -20°C to 45°C | -4°F to 113°F | |
| | < 1 month | -20°C to 55°C | -4°F to 131°F | |
| | < 1 week | -20°C to 65°C | -4°F to 149°F | |

* 0.2It discharge capacity after charging at 0.1It for 16 hours.

** For reference only.

*** Refer to "Charge Methods for Ni-Cd Batteries"

Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge / discharge specs, warning label contents and unit design.

Note: [It] was previously expressed as [C]. [It] is an IEC standard expression for the amount of charge or discharge current and is expressed as:

$$It(A) = C_n (Ah)/1h.$$

- [It] is the reference test current in amperes
- [Cn] is the rated capacity of the cell or battery in Ampere-hours.
- n = the time base [hours] for which the rated capacity is declared

