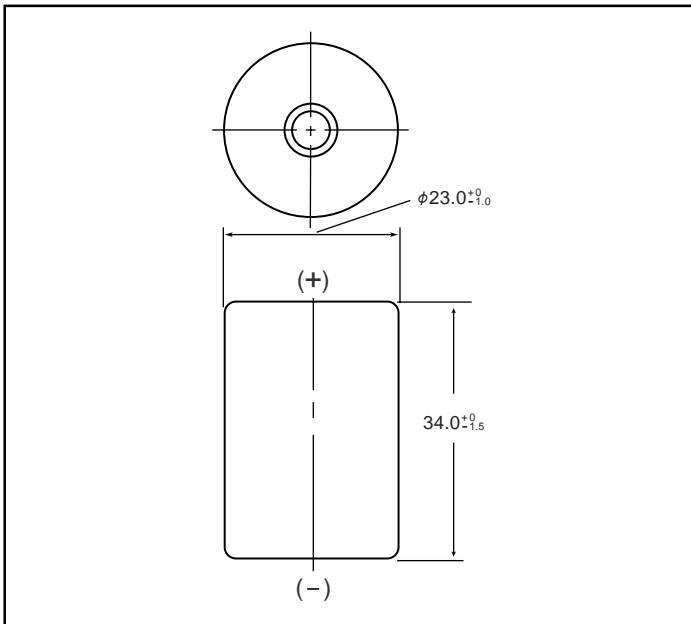


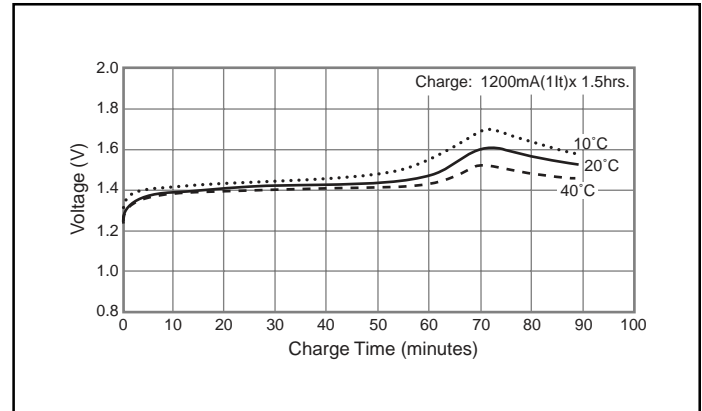
# NICKEL CADMIUM BATTERIES: INDIVIDUAL DATA SHEET

## P-120SCJS 4/5SC size (KR23/34) Type: R

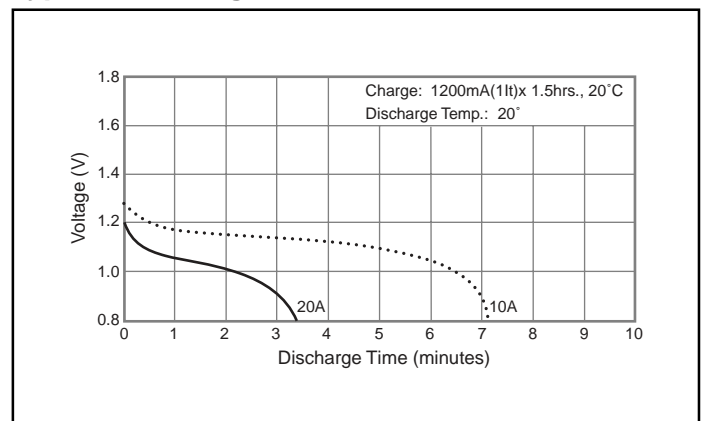
Dimensions (with tube) (mm)



## Typical Charge Characteristics



## Typical Discharge Characteristics



## Specifications

		mm	inch	
Diameter		23.0 +0/-1.0	0.89 +0/-0.02	
Height		34.0 +0/-1.5	1.34 +0/-0.06	
Approximate Weight	Grams	37g	1.31	
	Ounces			
Nominal Voltage		1.2V		
Discharge Capacity*	Average**	1300mAh		
	Rated (Min.)	1200mAh		
Approx. Internal impedance at 1000Hz at charged state		6mΩ		
Charge	Standard	120mA (0.1It) x 16 hrs.		
	Rapid***	1200mA (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

