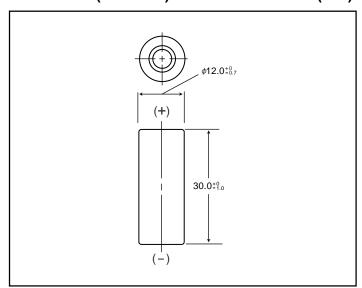
NICKEL CADMIUM BATTERIES: INDIVIDUAL DATA SHEET

P-18N N size (KR12/30) Type: N

Dimensions (with tube)

(mm)



Specifications

	mm	inch	
Diameter	12.0 +0/-0.7	0.47 +0/-0.03	
Height	30.0 +0/-1.0	1.18 +0/-0.04	
Approximate	Grams	Ounces	
Weight	8g	0.28	

Nominal Voltage			age	1.2V	
Discharge Capacity*		Α	verage**	190mAh	
		Ra	ated (Min.)	180mAh	
Approx. Internal impedance at 1000Hz at charged state				24mΩ	
Charge		93	Standard	18mA (0.1C) x 16 hrs.	
		Short Time		45mA (0.25C) x 6 hrs.	
		kle	Max Current 9mA (0.05lt) x 30h and		30h and over
		Min Current		6mA (0.033lt) x 45h and over	
Ambient Temperature	Charge	Standard		Ç	°F
				0°C to 45°C	32°F to 113°F
		Short Time		10°C to 45°C	50°F to 113°F
ᄪᅄ	Discharge		-20°C to 65°C	-4°F to 149°F	
A	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

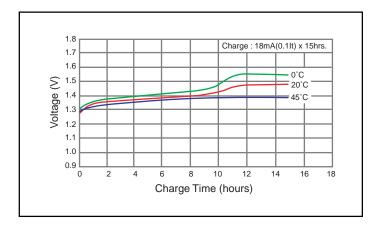
- * 0.2lt discharge capacity after charging at 0.1lt for 16 hours.
- ** For reference only.

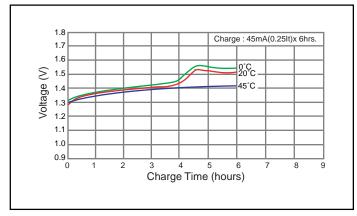
Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge / discharge specs, warning label contents and unit design.

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) = Cn (Ah)/1h.

- [It] is the reference test current in ampres
- [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

Typical Charge Characteristics





Typical Discharge Characteristics

