

Nickel Cadmium Batteries



Rechargeable
1.2V

For Cycle Use Applications...N Type, S Type, P Type, R Type

Diameter	Size	IEC	Model Number	Type	Nominal Voltage (V)	Discharge Capacity ¹ (mAh)		Dimensions with Tube (mm)		Approx. Weight (g)	
						Average ²	Rated (Min.)	Diameter	Height		
N	N	KR12/30	P-18N	N	1.2	190	180	12.0 + 0/-0.7	30.0 + 0/-1.0	8	
AAA	AAA	KR11/45	P-25AAA/HT	N		280	250	10.5 + 0/-0.7	44.5 + 0/-1.0	10	
AA	1/3AA	KR15/18	P-11AA	N		120	110	14.5 + 0/-1.5	17.5 + 0/-1.0	6.5	
	(2/3AA)	---	P-30AAR	R		330	300		28.2 + 0/-1.0	12	
	(AA)	---	P-60AAR/FT	R		640	600		47.8 ± 0.5	20	
				R		740	700			21	
	AA	AA	KR15/51	P-60AA/HT		N	640		600	49.5 ± 0.5	20
				P-70AA/HT		N	740		700		21
				P-80AA/HT		N	800		800		22
				P-100AASJ/HT		S	1,080		1,000		23
				P-100AASJ/FT		S					23
				L-AA		---	P-120AAS		S		1,280
A	2/3A	KR17/29	P-60AS	S		660	600	17.0 + 0/-0.7	28.5 + 0/-1.5	18	
	4/5A	KR17/43	P-120AS	S		1,280	1,200		43.0 + 0/-1.5	26	
	A	KR17/50	P-140AS	S		1,530	1,400		50.0 + 0/-1.5	32	
SC	4/5SC	KR23/34	P-120SCJS	P		1,350	1,200	22.5 ± 0.5	33.0 ± 0.5	37	
	SC	KR23/43	P-130SCS	P		1,450	1,300		42.0 ± 0.5	44	
			P-140SCS	P		1,550	1,400			44	
			P-170SCS	P		1,800	1,700			48	
			P-200SCS	P		2,100	2,000			52	
			L-SC	---		P-230SCS	S			2,490	2,300
	C	C	KR26/50	P-240C		N	2,600		2,400	25.8 + 0/-1.0	50.0 + 0/-1.5
P-280CR				R		3,000	2,800	79			
D	D	KR33/62	P-400D	N	4,400	4,000	33.0 + 0/-1.0	61.0 + 0/-1.5	138		
			P-440D	N	4,600	4,400			139		
			P-500DR	R	5,500	5,000			145		

E-Block

Type	IEC	Model Number	Type	Nominal Voltage (V)	Discharge Capacity ¹ (mAh)		Dimensions with Tube (mm)			Approx. Weight (g)
					Average ²	Rated (Min.)	Width	Height	Thickness	
E-Block	---	P-129V	N	8.4	130	120	26.0	48.5	16.3	39

¹ 0.2 CmA discharge capacity after charging at 0.1 CmA for 16 hours.
² For reference only.

Standby Use Applications

- High Temperature Trickle Charge "H" Type
- Low Temperature Trickle Charge "K" Type

Cycle Use Applications

- Standard "N" Type
- High Capacity "S" Type
- Rapid Charge "R" Type
- High Rate Discharge & Rapid Charge "P" Type

Ni-Cd



For High Temperature Standby Use Applications...H Type

Diameter	Size	IEC	Model Number	Nominal Voltage (V)	Discharge Capacity ^{*1} (mAh)		Dimensions with Tube (mm)		Approx. Weight (g)
					Average ^{*2}	Rated (Min.)	Diameter	Height	
AA	1/3AA	KR15/18	P-11AAH	1.2	120	110	14.5 + 0/-0.7	17.5 + 0/-1.0	6.5
	(AA)	---	P-50AAH		580	500		48.3 + 0/-1.0	21
C	C	KR26/50	P-230CH		2,500	2,300	25.8 + 0/-1.0	50.0 + 0/-1.5	78
D	D	KR33/62	P-400DH		4,400	4,000	33.0 + 0/-1.0	61.0 + 0/-1.5	139

For Low Temperature Standby Use Applications...K Type

Diameter	Size	IEC	Model Number	Nominal Voltage (V)	Discharge Capacity ^{*1} (mAh)		Dimensions with Tube (mm)		Approx. Weight (g)
					Average ^{*2}	Rated (Min.)	Diameter	Height	
C	C	KR26/50	P-200CK	1.2	2,300	2,000	25.8 + 0/-1.0	50.0 + 0/-1.5	78
D	D	KR33/62	P-400DK		4,400	4,000	33.0 + 0/-1.0	61.0 + 0/-1.5	139

*1 0.2 CmA discharge capacity after charging at 0.1 CmA for 16 hours.

*2 For reference only.

Ni-Cd / Ni-MH Battery Charger

ETYMD282SAEE-C

- This product is designed to charge battery packs from 4 to 24 cells.
- The charger is optimized for Panasonic batteries.
- 3 charge detection criteria: -dU, dT/dt, Tmax
- Charge current: 2.0 ADC

For more technical information please contact Panasonic.

