

(Ratings of CADNICA Batteries)



■General-use CADNICA batteries (Standard Series)

Type	Model	Nominal Voltage (V)	Capacity (mAh) at 0.2It rate.		Standard charge		Quick charge		Internal resistance (mΩ)	External dimensions				Weight (approx.g)
			Minimum	Typical	Current (mA)	Time (hr.)	Current (mA)	Time (hr.)		Including tube		Bare cell		
										Diameter (D) (mm)	Height (H) (mm)	Diameter (D) (mm)	Height (H) (mm)	
	N-50AAA	1.2	50	55	5	—	15	—	55	10.5 ⁰ _{-0.5}	15.8 ⁰ ₋₁	10.0±0.2	14.0±0.3	4
	N-110AA	1.2	110	120	11	—	33	—	30	14.5 ⁰ _{-0.5}	17.5 ⁰ ₋₁	14.0±0.2	16.7±0.3	8
	N-120TA	1.2	110	120	11	—	33	—	34	8.0 ⁰ _{-0.5}	42.5 ⁰ ₋₁	7.5±0.2	41.8±0.3	6
	N-190N	1.2	190	210	19	—	57	4~6	32	12.0 ⁰ _{-0.5}	29.3 ⁰ ₋₁	11.5±0.2	28.5±0.3	9
	N-250AAA	1.2	250	270	25	—	75	—	24	10.5 ⁰ _{-0.5}	44.4 ⁰ ₋₁	10.0±0.2	43.7 ^{±0.3} ₋₁	11
	N-270AA	1.2	270	300	27	—	81	—	15	14.5 ⁰ _{-0.5}	30.3 ⁰ ₋₁	14.0±0.2	29.5±0.3	13
	N-500A	1.2	500	550	50	—	150	—	9.0	17.0 ⁰ _{-0.5}	28.5 ⁰ ₋₁	16.5±0.2	27.8±0.3	19
	N-600AA	1.2	600	650	60	—	180	—	12	14.3 ⁰ _{-0.5}	50.2 ⁰ ₋₁	13.8±0.2	49.5±0.3	22
	N-650SCL	1.2	650	700	65	—	—	—	7.5	22.9 ⁰ ₋₁	24.5 ⁰ _{-0.9}	22.0±0.3	23.8±0.3	28
	N-1200SCL	1.2	1200	1250	120	—	—	—	6.2	22.9 ⁰ ₋₁	34.0 ⁰ _{-1.2}	22.0±0.3	33.0±0.3	42
	N-4000DL	1.2	4000	4400	400	—	—	—	3.3	33.2 ⁰ _{-0.9}	59.5 ⁰ _{-1.5}	32.3±0.3	58.4±0.4	160
	N-6PT	7.2	110	120	11	—	22	7~8	210	17.0(W)X26.0(L)X48.5(H)	—	—	—	42

Operating temperature range; Charge: 0~45°C (standard), 10~45°C (quick), discharge: -20~60°C, storage: -30~50°C (-30~35°C for long periods)

Note: Consult Sanyo concerning operating conditions for quick charging of N-1200SCL higher models.

■Standard CADNICA batteries (KR Series)

Type	Model	Nominal Voltage (V)	Capacity (mAh) at 0.2It rate.		Standard charge		Internal resistance (mΩ)	External dimensions				Weight (approx.g)
			Minimum	Typical	Current (mA)	Time (hr.)		Including tube		Bare cell		
								Diameter (D) (mm)	Height (H) (mm)	Diameter (D) (mm)	Height (H) (mm)	
	KR-600AAL	1.2	600	650	60	—	24	14.3 ⁰ _{-0.5}	48.9 ⁰ ₋₁	13.8±0.2	48.2±0.3	19
	KR-1000SCL	1.2	1000	1100	100	—	7.7	22.9 ⁰ ₋₁	34.0 ⁰ _{-1.2}	22.0±0.3	33.0±0.3	37
	KR-1200SCL	1.2	1200	1350	120	—	9.7	22.9 ⁰ ₋₁	34.0 ⁰ _{-1.2}	22.0±0.3	33.0±0.3	38
	KR-1300SC	1.2	1300	1450	130	—	6.0	22.9 ⁰ ₋₁	43.0 ⁰ _{-1.2}	22.0±0.3	42.0±0.3	46
	KR-1500SC	1.2	1500	1550	150	—	6.0	22.9 ⁰ ₋₁	43.0 ⁰ _{-1.2}	22.0±0.3	42.0±0.3	48
	KR-1500SCT	1.2	1500	1550	150	—	5.6	22.9 ⁰ ₋₁	43.0 ⁰ _{-1.2}	22.0±0.3	42.0±0.3	47
	KR-4400D	1.2	4400	4800	440	—	3.8	33.2 ⁰ _{-0.9}	61.1 ⁰ _{-1.5}	32.3±0.3	60.0±0.4	146
	KR-7000F	1.2	7000	7700	700	—	3.4	33.2 ⁰ _{-0.9}	91.0 ⁰ _{-1.4}	32.3±0.3	90.0±0.4	224
	KR-10000M	1.2	10000	12000	1000	—	2.6	43.1 ⁰ ₋₁	91.0 ⁰ _{-1.4}	42.1±0.3	90.0±0.4	395

Operating temperature range; Charge: 0~45°C (standard), discharge: -20~60°C, storage: -30~50°C (-30~35°C for long periods)

Note: When using assembled batteries consisting of KR-4400D or higher model batteries, consideration must be given to the problem of cell temperature increase.

Sanyo can provide assembled batteries that meet your specific conditions of use.

■High-capacity CADNICA batteries (E Series / U Series)

Type	Model	Nominal Voltage (V)	Capacity (mAh) at 0.2It rate.		Standard charge		Internal resistance (mΩ)	External dimensions				Weight (approx.g)
			Minimum	Typical	Current (mA)	Time (hr.)		Including tube		Bare cell		
								Diameter (D) (mm)	Height (H) (mm)	Diameter (D) (mm)	Height (H) (mm)	
	KR-600AE	1.2	600	650	60	—	9.5	17.0 ⁰ _{-0.5}	28.5 ⁰ ₋₁	16.5±0.2	27.8±0.3	19
	KR-800AAE	1.2	800	880	80	—	12	14.3 ⁰ _{-0.5}	50.3 ⁰ ₋₁	13.8±0.2	49.5±0.3	23
	KR-1100AAU	1.2	1100	1150	110	—	19	14.3 ⁰ _{-0.5}	50.3 ⁰ ₋₁	13.8±0.2	49.5±0.3	24
	KR-1200AAE	1.2	1200	1300	120	—	12	14.3 ⁰ _{-0.5}	65.3 ⁰ ₋₁	13.8±0.2	64.5±0.3	32
	KR-1100AEL	1.2	1100	1200	110	—	9.0	17.0 ⁰ _{-0.5}	43.0 ⁰ _{-1.2}	16.5±0.2	42.0±0.3	29
	KR-1200AUL	1.2	1200	1300	120	—	12	17.0 ⁰ _{-0.5}	43.0 ⁰ _{-1.2}	16.5±0.2	42.0±0.3	27
	KR-1500AUL	1.2	1500	1550	150	—	16	17.0 ⁰ _{-0.5}	43.0 ⁰ _{-1.2}	16.5±0.2	42.0±0.3	30
	KR-1400AE	1.2	1350	1400	140	—	10	17.0 ⁰ _{-0.5}	49.5 ⁰ _{-1.2}	16.5±0.2	48.5±0.3	34
	KR-1700AU	1.2	1700	1750	170	—	17	17.0 ⁰ _{-0.5}	49.5 ⁰ _{-1.2}	16.5±0.2	48.5±0.3	35
	KR-1800SCE	1.2	1800	1900	180	—	6.5	22.9 ⁰ ₋₁	43.0 ⁰ _{-1.2}	22.0±0.2	42.0±0.3	49
	KR-2300SCE	1.2	2300	2400	230	—	5.5	22.9 ⁰ ₋₁	50.0 ⁰ _{-1.2}	22.0±0.3	49.0±0.3	60
	KR-5000DEL	1.2	5000	5400	500	—	3.5	33.2 ⁰ _{-0.9}	59.5 ⁰ _{-1.5}	32.3±0.3	58.4±0.4	152

Operating temperature range; Charge: 0~45°C (standard), discharge: -20~60°C, storage: -30~50°C (-30~35°C for long periods)

Note: Consult Sanyo concerning 1-hour charge.

■Extended service life CADNICA batteries (C Series / EC Series)

Type	Model	Nominal Voltage (V)	Capacity (mAh) at 0.2It rate.		Standard charge		Quick charge		Internal resistance (mΩ)	External dimensions				Weight (approx.g)
			Minimum	Typical	Current (mA)	Time (hr.)	Current (mA)	Time (hr.)		Including tube		Bare cell		
										Diameter (D) (mm)	Height (H) (mm)	Diameter (D) (mm)	Height (H) (mm)	
	N-250AAAC	1.2	250	270	25	—	75	—	24	10.5 ⁰ _{-0.5}	44.4 ⁰ ₋₁	10.0±0.2	43.7 ^{±0.3} ₋₁	11
	N-270AAC	1.2	270	300	27	—	81	—	18	14.5 ⁰ _{-0.5}	30.3 ⁰ ₋₁	14.0±0.2	29.5±0.3	13
	N-500AC	1.2	500	550	50	—	150	—	9.0	17.0 ⁰ _{-0.5}	28.5 ⁰ ₋₁	16.5±0.2	27.8±0.3	19
	N-600AAC	1.2	600	650	60	—	180	—	12	14.3 ⁰ _{-0.5}	50.2 ⁰ ₋₁	13.8±0.2	49.5±0.3	22
	N-700AAC	1.2	700	750	70	—	210	—	16	14.3 ⁰ _{-0.5}	50.2 ⁰ ₋₁	13.8±0.2	49.5±0.3	23
	N-600AACL	1.2	600	650	60	—	180	4~6	14	14.3 ⁰ _{-0.5}	48.9 ⁰ ₋₁	13.8±0.2	48.2±0.3	22
	N-700AACL	1.2	700	750	70	—	210	—	16	14.3 ⁰ _{-0.5}	48.9 ⁰ ₋₁	13.8±0.2	48.2±0.3	23
	KR-900AAEC	1.2	900	950	90	—	—	—	19	14.3 ⁰ _{-0.5}	50.3 ⁰ ₋₁	13.8±0.2	49.5±0.3	23
	N-1200SCC	1.2	1200	1350	120	—	360	—	4.2	22.9 ⁰ ₋₁	43.0 ⁰ _{-1.2}	22.0±0.3	42.0±0.3	52
	N-1700SCC	1.2	1700	1800	170	—	—	—	4.1	22.9 ⁰ ₋₁	42.9 ⁰ _{-1.2}	22.0±0.3	42.0±0.4	57

Operating temperature range; Charge: 0~45°C (standard), 10~45°C (quick), discharge: -20~60°C, storage: -30~50°C (-30~35°C for long periods)

Note: Sanyo can provide model N-1700SCC with quick-charge capability depending on your specific conditions of use.

