

Ni-MH Battery Series

Type	Size	Nominal	Nominal	Charge Current In mA			Dimensions (mm)		Weight
		(V)	(mAh)	(15 hrs)	(5hrs)	(1.5hrs)	+/-0.5mm	+/-0.5mm	Grams
EC- 270AAA	2/3AAA	1.2	270	27	81	270	10	28	7
EC- 330N	N	1.2	330	33	99	330	11.6	28	8
EC- 500AAA	AAA	1.2	500	50	150	500	10	44	12
EC- 550AAA	AAA	1.2	550	55	165	550	10	44	13
EC- 200AA	1/3AA	1.2	200	20	60	200	14	16.5	9
EC- 500AA	2/3AA	1.2	500	50	150	500	14	28	15
EC- 550AA	2/3AA	1.2	550	55	165	550	14	28	16
EC- 600AA	2/3AA	1.2	600	60	180	600	14	28	16
EC- 1000AA	4/5AA	1.2	1000	100	300	1000	14	39.5	24
EC- 1100AA	4/5AA	1.2	1100	110	330	1100	14	39.5	25
EC- 600AA	AA	1.2	600	60	180	600	14	49	16
EC- 1100AA	AA	1.2	1100	110	330	1100	14	49	25
EC- 1200AA	AA	1.2	1200	120	360	1200	14	49	27
EC- 1800AA	7/5AA	1.2	1800	180	540	1800	14	64.4	44
EC- 1600A	4/5A	1.2	1600	160	480	1600	16.5	42.1	37
EC- 1800A	4/5A	1.2	1800	180	540	1800	16.5	42.1	40
EC- 1800A	A	1.2	1800	180	540	1800	16.5	49	40
EC- 2500A	7/5A	1.2	2500	250	750	2500	16.5	65.9	57
EC- 1200SC	1/2SC	1.2	1200	120	360	1200	22.5	25.5	26
EC- 2300SC	SC	1.2	2300	230	690	2300	22.5	42.5	52
EC- 3000SC	5/4SC	1.2	3000	300	900	3000	22.5	49	58
EC- 3200C	C	1.2	3200	320	960	3200	25.5	49	53
EC- 3300C	C	1.2	3300	330	990	3300	25.5	49	54
EC- 3000D	2/3D	1.2	3000	300	900	3000	32.5	35.5	62
EC- 7000D	D	1.2	7000	700	2100	7000	32.5	60	145
EC- 8500F	F	1.2	8500	850	2550	8500	32.5	89	250
EC- 10000F	F	1.2	10000	1000	3000	10000	32.5	89	258
EC- 12000F	F	1.2	12000	1200	3600	12000	32.5	90.5	270

Note :

We can design and manufacture other types of batteries according to customer requirements. The cell construction is the same as the Ni-Cd battery.

Main Features :

High Capacity : 30 - 50% more energy storage than Ni-Cd batteries of similar size.

No Memory Effect

Resealable Safety Vent : A resealable safety vent is built in, to relieve the internal pressure created by misuse.

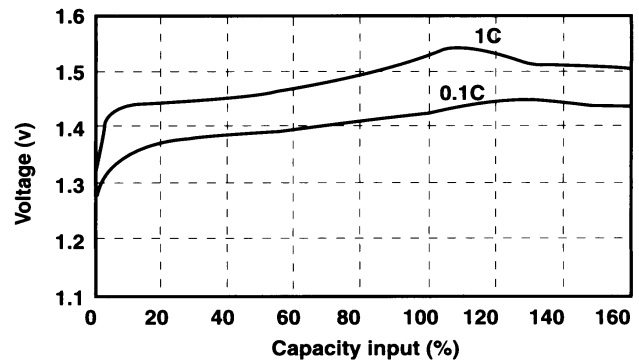
High Discharge Voltage : Our cells have high voltages at higher rates of discharge than other cells.

Long Cycle Life : 280 - 1000 recharge cycles can be expected, depending on conditions of use.

Typical Performance of Ni-MH cylindrical cells.

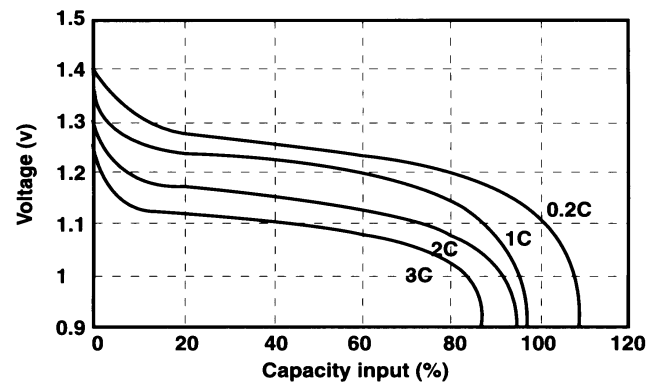
Charging :

Standard charging rate :
0.1 C rate for 14 to 16 Hrs.
Fast Charging :
0.5 to 1 C charging, with the charger controlled with $-+ V$ or and dT/dt (1.0 °C/min).



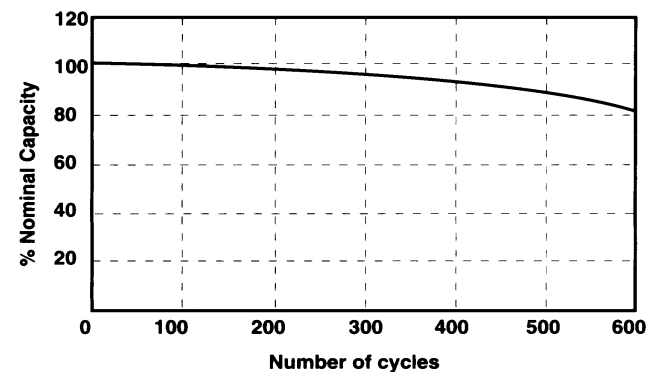
Discharging :

Discharge Curves of Ni - MH cylindrical cell at various discharge rates at room temperature.



Cycle Life :

Cycle Life of Ni - MH cylindrical battery
Charge at 0.5 C and then discharge at 0.2 C at 20 °C



Charge and Discharge Efficiency

Ni - MH battery at various temperatures.

