Features of WINTONIC Batteries

A: High Capacity:

"WINTONIC" batteries suit various kinds of severe operation conditions into consideration and can release enough capacity so the actual discharge capacity is always higher than the rated capacity.

B: Extra Long Cycle Life:

Cycle life equivalent to 800 charge and discharge cycles for "WINTONIC" Ni/Cd batteries.

Under the routine maintenance condition, "WINTONIC" Ni/Cd batteries can be expected recycles more than 500 times. (the condition of charge and discharge: IEC: 100% DOD)

C: Long Utility Time:

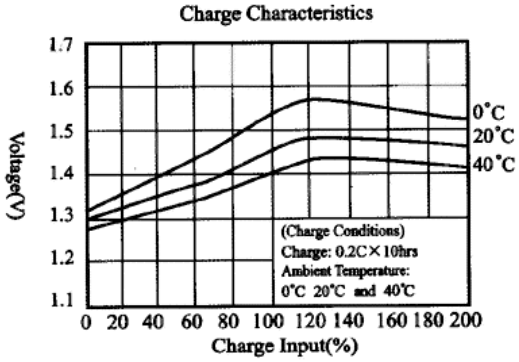
"WINTONIC" batteries have excellent flatness of discharge plateau, It is maintained at approximately 1.20V for 90% the discharge period. So the "WINTONIC" batteries are reliably applying to some equipment such as cellular mobile phones etc.

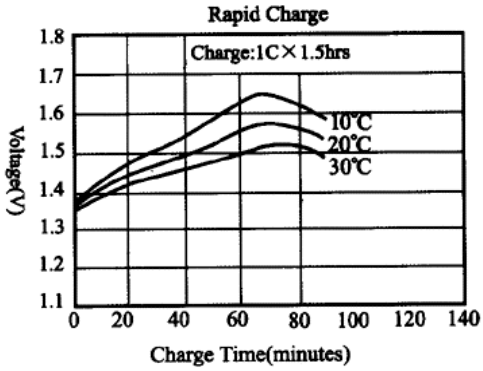
D: High-Rate Charge and Discharge:

When a specifically designed charger is used. "WINTONIC" batteries can be rapidly charged in only 1.5 hours. And WINTONIC batteries can discharge in standard or high current because the technicians take diverse occasions into account while designing and processing batteries.

CHARGE CHARACTERISTICS

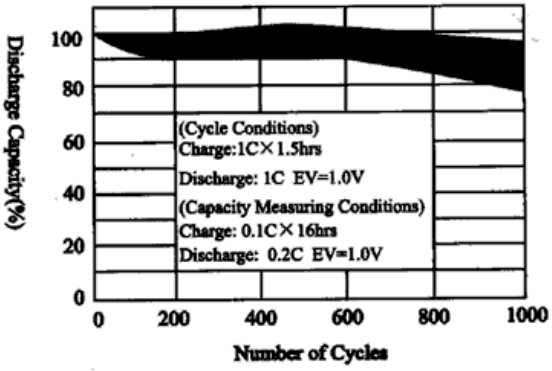
The cell voltage of WINTONIC batteries goes up with the charge course. The voltage fall a little because of the inter temperature rise at the end of course and eventually reaches a balance. The cell voltage also varies widely according to the ambient temperature.





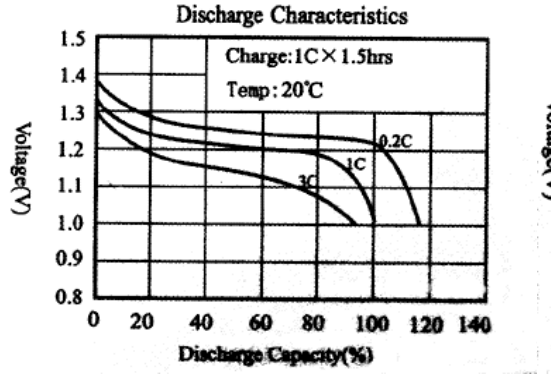
CYCLE CHARACTERISTICS

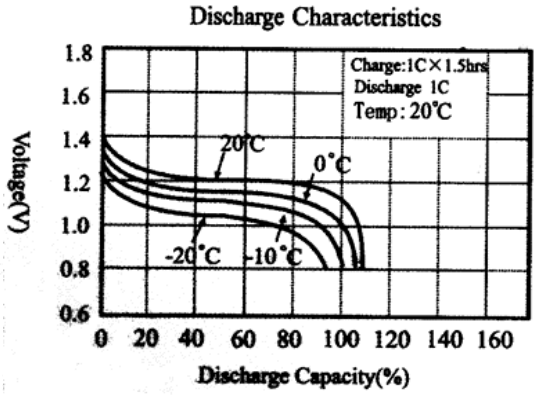
The service life of a battery depends on the conditions of use. However, under normal usage conditions standard, WINTONIC batteries can be expected to recycle more than 500 times.



DISCHARGE CHARACTERISTICS

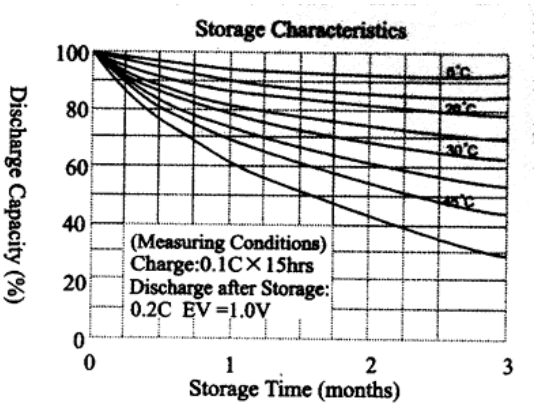
Although the operating voltage of WINTONIC batteries varies slightly depending on the discharge current, it is maintained at approximately 1.20 V for 90% of the discharge period.





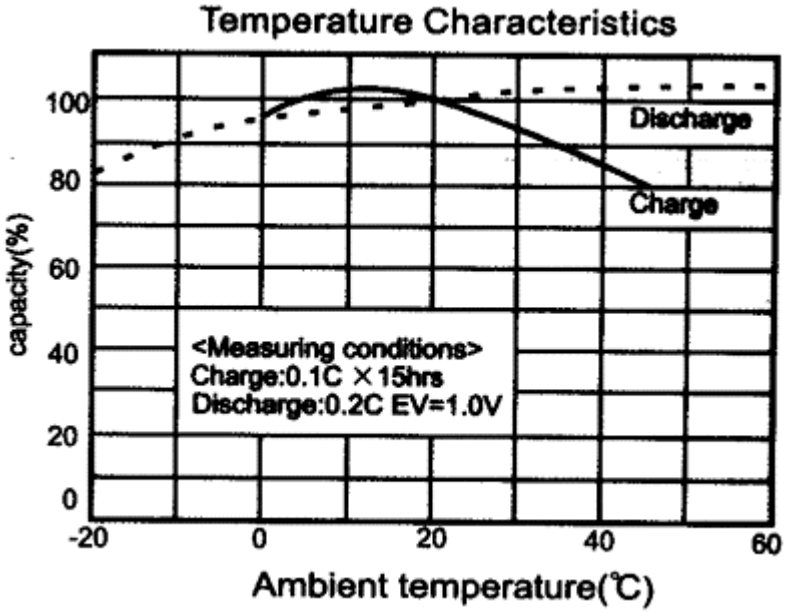
STORAGE CHARACTERISTICS

The self-discharge percent of WINTONIC batteries is greatly affected by the ambient temperature. Self-discharge accelerate as the temperature rises. However, WINTONIC batteries have minimal deterioration in battery performance even after a long-term storage. In addition, the cell capacity descends through discharging during storage can easily be restored to its original level by recharging.



TEMPERATURE CHARACTERISTICS

WINTONIC batteries can be used over a wide temperature range. As cell characteristics vary slightly depending on the temperature WINTONIC batteries should be used within temperature range given below to obtain optimum performance.



WINTONIC Ni-Cd Battery Specification

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Dimension		Standard Charge		Rapid Charge		Weight Approx (g)
			Diameter (mm)	Height (mm)	Current (mA)	Time (h)	Current (mA)	Time (h)	
WT-2/3AAA18	1.2	180	10.0±0.5	28.0±0.5	18		180	1.5	6
WT-AAA24J	1.2	240	10.0±0.5	44.5±0.5	24		240	1.5	10
WT-AAA35	1.2	350	10.0±0.5	43.5±0.5	35		350	1.5	10
WT-5/4AAA40	1.2	400	10.0±0.5	50.0±0.5	40		400	1.5	12
WT-7/5AAA60	1.2	600	10.0±0.5	68.0±0.5	60		600	1.5	16
WT-N20	1.2	200	11.5±0.5	28.0±0.5	20		200	1.5	8
WT-1/3AA18	1.2	180	14.0±0.5	16.5±0.5	18		180	1.5	8
WT-2/3AA30	1.2	300	14.0±0.5	28.0±0.5	30		300	1.5	13
WT-2/3AA40	1.2	400	14.0±0.5	28.0±0.5	40		400	1.5	14
WT-4/5AA70	1.2	700	14.0±0.5	43.0±0.5	70		700	1.5	20
WT-AA60J	1.2	600	14.0±0.5	50.0±0.5	60		600	1.5	19
WT-AA60	1.2	600	14.0±0.5	48.0±0.5	60		600	1.5	19
WT-AA80J	1.2	800	14.0±0.5	50.0±0.5	80		800	1.5	21
WT-AA80	1.2	800	14.0±0.5	48.0±0.5	80		800	1.5	21
WT-AA90J	1.2	900	14.0±0.5	50.0±0.5	90		900	1.5	22
WT-4/3AA100	1.2	1000	14.0±0.5	65.0±0.5	100	16	1000	1.5	28
WT-2/3A60	1.2	600	16.5±0.5	27.5±0.5	60		600	1.5	18
WT-2/3A70	1.2	700	16.5±0.5	27.5±0.5	70		700	1.5	18
WT-4/5A120	1.2	1200	16.5±0.5	42.5±0.5	120		1200	1.5	26
WT-A140	1.2	1400	16.5±0.5	49.0±0.5	140		1400	1.5	32
WT-7/5A160	1.2	1600	16.5±0.5	66.5±0.5	160		1600	1.5	42
WT-2/3SC60P	1.2	600	22.5±0.5	25.5±0.5	60		600	1.5	25
WT-4/5SC100P	1.2	1000	22.5±0.5	34.0±0.5	100		1000	1.5	40
WT-SC130P	1.2	1300	22.5±0.5	42.5±0.5	130		1300	1.5	46
WT-SC150P	1.2	1500	22.5±0.5	42.5±0.5	150		1500	1.5	48
WT-SC180	1.2	1800	22.5±0.5	42.5±0.5	180		1800	1.5	49
WT-2/3C100	1.2	1000	25.5±0.5	30.5±0.5	100		1000	1.5	46
WT-C200	1.2	2000	25.5±0.5	49.5±0.5	200		2000	1.5	72
WT-C250	1.2	2500	25.5±0.5	49.5±0.5	250		2500	1.5	75
WT-D400	1.2	4000	32.5±0.5	60.0±0.5	400		4000	1.5	140
WT-D500	1.2	5000	32.5±0.5	60.0±0.5	500		5000	1.5	150
WT-AA60T	1.2	600	14.0±0.5	48.0±0.5	30		600	1.5	18
WT-SC150T	1.2	1500	22.5±0.5	42.5±0.5	75	24	1500	1.5	48
WT-D400T	1.2	4000	32.5±0.5	60.0±0.5	200		4000	1.5	140

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Dimension		Standard Charge		Rapid Charge		Weight Approx (g)
			Diameter (mm)	Height (mm)	Current (mA)	Time (h)	Current (mA)	Time (h)	
WT-1/3AAA18H	1.2	180	10.0±0.5	20.0±0.5	18		180	1.2	5
WT-2/3AAA28H	1.2	280	10.0±0.5	28.5±0.5	28		280	1.2	80
WT-AAA50H	1.2	500	10.0±0.5	44.0±0.5	50		500	1.2	12
WT-AAA60H	1.2	600	10.0±0.5	44.0±0.5	60		600	1.2	13
WT-5/4AAA60H	1.2	600	10.0±0.5	50.0±0.5	60		600	1.2	14
WT-5/4AAA70H	1.2	700	10.0±0.5	50.0±0.5	70		700	1.2	15
WT-4/3AAA80H	1.2	800	10.0±0.5	65.0±0.5	80		800	1.2	18
WT-7/5AAA90H	1.2	900	10.0±0.5	68.0±0.5	90		900	1.2	19
WT-5/3AAA110H	1.2	1100	10.0±0.5	80.0±0.5	110		1100	1.2	22
WT-1/3AA28H	1.2	280	14.0±0.5	16.0±0.5	28		280	1.2	9
WT-2/3AA60H	1.2	600	14.0±0.5	28.0±0.5	60		600	1.2	15
WT-4/5AA100H	1.2	1000	14.0±0.5	43.5±0.5	100	15	1000	1.2	22
WT-4/5AA120H	1.2	1200	14.0±0.5	43.5±0.5	120		1200	1.2	23
WT-AA130H	1.2	1300	14.0±0.5	48.0±0.5	130		1300	1.2	25
WT-AA150JH	1.2	1500	14.0±0.5	50.0±0.5	150		1500	1.2	27
WT-2/3A90H	1.2	900	16.5±0.5	28.5±0.5	90		900	1.2	18
WT-4/5A170H	1.2	1700	16.5±0.5	42.5±0.5	170		1700	1.2	33
WT-A190H	1.2	1900	16.5±0.5	49.0±0.5	190		1900	1.2	35
WT-7/5A250H	1.2	2500	16.5±0.5	66.5±0.5	250		2500	1.2	52
WT-SC180PH	1.2	1800	22.5±0.5	42.5±0.5	180		1800	1.2	50
WT-SC240H	1.2	2400	22.5±0.5	42.5±0.5	240		2400	1.2	55
WT-D900H	1.2	9000	32.5±0.5	60.0±0.5	900		2700	4.0	175
WT-5/3D1300H	1.2	13000	32.5±0.5	87.5±0.5	1300		3900	4.0	230