

Rechargeable Batteries

BUTTON TYPE



Major Applications

MBU, bridging, portable electronic devices, laptop computers, cordless phones, car alarms, torches, smoke detectors, security alarms.

Major Applications

Digital cameras, personal digital assistants (PDAs), portable CD / MD / MP3 players, handheld TVs, palms, racing cars.



CONSUMER SERIES

Nickel Metal Hydride Series

Cell Size	Model No.	Nominal	Capacity (0.2C discharge)*(mAh)		Nominal Dimension (mm)		Weight (g)	Standard Charge		1 Hr Charge
		Voltage (V)	Minimum	Typical	Diameter	Height		Current (mA)	Time (hour)	Current (mA)#
High Capacity Series										
AAA	GP75AAAHC**	1.2	730	750	10.5	44.5	13	75	16	750
	GP80AAAHC	1.2	780	800	10.5	44.5	14	80	16	800
	GP85AAAHC	1.2	830	850	10.5	44.5	15	85	16	850
AA	GP180AAHC**	1.2	1750	1800	14.5	50.5	26	180	16	1800
	GP200AAHC	1.2	1900	1950	14.5	50.5	27	190	16	1900
	GP210AAHC	1.2	2000	2050	14.5	50.5	28	200	16	2000
	GP220AAHC	1.2	2100	2150	14.5	50.5	29	210	16	2100
C	GP350CHC	1.2	3480	3500	26.2	50	78.5	350	16	Not Applicable
D	GP450DHC	1.2	4400	4500	34.2	61.5	130	450	16	Not Applicable
	GP700DHC	1.2	6800	7000	34.2	61.5	170	700	16	Not Applicable
	GP900DHC	1.2	8750	9000	34.2	61.5	173	900	16	Not Applicable
Standard Series										
AAA	GP60AAAHC**	1.2	600	630	10.5	44.5	13	60	16	600
	GP65AAAHC	1.2	630	650	10.5	44.5	13	65	16	650
	GP70AAAHC**	1.2	680	700	10.5	44.5	12.2	70	16	700
AA	GP60AAHC	1.2	580	600	14.5	50.5	16	60	16	600
	GP130AAHC	1.2	1250	1300	14.5	50.5	26	130	16	1300
	GP150AAHC**	1.2	1450	1500	14.5	50.5	26	150	16	1500
	GP160AAHC**	1.2	1550	1600	14.5	50.5	26	160	16	1600
	GP170AAHC**	1.2	1650	1700	14.5	50.5	26	170	16	1700
C	GP220CH	1.2	2150	2200	26.2	50	61	220	16	Not Applicable
D	GP220DH	1.2	2150	2200	34.2	61.5	71	220	16	Not Applicable
9V	GP17R7H**	7.2	170	175	15.7(T) x 26.5(W) x 48.5(H)		28	17	16	170
	GP17R8H**	8.4	170	175	15.7(T) x 26.5(W) x 48.5(H)		32	17	16	170
Prismatic Series										
Prismatic	GP14M**	1.2	1250	1400	6.1(T) x 17.0(W) x 67.0(H)		23	125	16	1250
	GP14M145**	1.2	1350	1450	6.1(T) x 17.0(W) x 67.0(H)		25	135	16	1350

Typical Ambient Temperature : Standard Charge : 0°C to 45°C / Fast Charge : 10°C to 45°C / Discharge : -20°C to 50°C / Storage : -20°C to 35°C
One hour rate with charge termination control. * After charging at 0.1C for 16 hours. ** With UL approval.

Nickel Cadmium Series

Cell Size	Model No.	Nominal Voltage (V)	Capacity (0.2C discharge)*(mAh)		Nominal Dimension (mm)		Weight (g)	Standard Charge		1 Hr Charge Current (mA)#
			Minimum	Typical	Diameter	Height		Current(mA)	Time(hour)	
AAA	GP30AAAKC	1.2	300	320	10.5	44.5	10.5	30	16	300
	GP60AAKC	1.2	600	660	14.5	50.5	20	60	16	600
	GP70AAKC	1.2	700	770	14.5	50	22	70	16	700
AA	GP80AAKC	1.2	800	850	14.5	50.5	22	80	16	800
	GP100AAKC	1.2	1000	1030	14.5	50.5	26.5	100	16	1000
C	GP160CK	1.2	1600	1680	26.2	50	52	160	16	Not Applicable
	GP250CKC	1.2	2500	2750	26.2	50	72	250	16	Not Applicable
D	GP160DK	1.2	1600	1680	34.2	61.5	62	160	16	Not Applicable
	GP450DKC	1.2	4500	4950	34.2	61.5	135	450	16	Not Applicable
	GP500DKC	1.2	5000	5250	34.2	61.5	140	500	16	Not Applicable

Typical Ambient Temperature : Standard Charge : 0°C to 45°C / Fast Charge : 10°C to 45°C / Discharge : -20°C to 50°C / Storage : -20°C to 35°C
One hour rate with charge termination control.
* After charging at 0.1C for 16 hours.
** With UL approval.

Major Applications

Cellular phones, cordless phones, emergency lightings, general purposes, portable electrical equipments, pagers, remote controls, security alarms, torches, toys and transceivers.

Nickel Metal Hydride Series

Model No.	Nominal Capacity at 5-hr rate (mAh)	Nominal Dimension (mm)		Weight (g)	Standard Charge			Nominal Voltage (V)	End Voltage (V)
		Diameter	Height		Current (mA)	Time (hour)	Maximum Charging Voltage (V)		
Standard Series									
GP2BNH ¹	2	6.7	1.5	0.31	0.2	16	1.5	1.2	1
GP15BNH ^{2**}	15	9.5	2.6	0.7	1.5	16	1.5	1.2	1
GP20BNH ^{2**}	20	11.5	2.25	1.0	2	16	1.5	1.2	1
GP25BNH ²	25	11.6	3.5	1.4	2.5	16	1.5	1.2	1
GP40BVH ^{2**}	40	11.6	5.5	1.9	4	16	1.5	1.2	1
GP80BVH ^{1**}	80	15.5	6.3	3.7	8	16	1.5	1.2	1
GP150BVH ¹	120	15.5	7.8	4.8	12	16	1.5	1.2	1
GP250BVH ²	250	25	6.4	10.9	25	16	1.5	1.2	1
GP320BVH ¹	320	25	8.7	14.1	32	16	1.5	1.2	1
Economy Series									
GP30BVH ¹	30	11.6	5.5	1.9	3	16	1.5	1.2	1
GP60BVH ¹	60	15.5	6.3	3.6	6	16	1.5	1.2	1
GP170BVH ¹	170	25	6.4	9.8	17	16	1.5	1.2	1
GP280BVH ¹	280	25	8.7	12.6	28	16	1.5	1.2	1

Typical Ambient Temperature : ¹ Standard Charge / Discharge : 0°C to 45°C / Storage : -20°C to 45°C
² Standard Charge : 0°C to 65°C / Discharge : -20°C to 65°C / Storage : -40°C to 65°C

** With UL approval.

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