



Multi Types
Charger Pack

Ni-MH & Ni-Cd
Rechargeable Batteries



Rechargeable Products



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Contents



Nickel Metal Hydride Rechargeable Batteries

- 3 Specifications - ecoReady / High Temperature / High Drain
- 5 Specifications - Standard



Nickel Cadmium Rechargeable Batteries

- 9 Specifications - High Temperature / High Drain
- 11 Specifications - Standard
- 13 Battery Pack Configurations
- 15 Applications
- 17 Packings



Multi Types Charger Pack

- 20 Specifications - e-Accu Chargers
- 21 Specifications - Classic Chargers



Nickel Metal Hydride Rechargeable Batteries



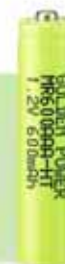
Nickel Metal Hydride Rechargeable Batteries

ecoReady (eR)



ecoReady

High Temperature (HT)



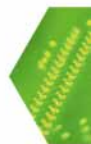
High Temperature

High Drain (HD)



High Drain

Nickel Metal Hydride Rechargeable Batteries - Specifications



ecoReady (eR)

Model No.	Size	Battery Characteristics		Dimensions*		Weight** (g)	Standard Charge		Quick Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)
MR2000AA-eR	AA	1.25	2000	14.5	50.5	30.0	200	15	2000	1.1
MR800AAA-eR	AAA	1.25	800	10.5	44.5	15.0	80	15	800	1.2

* ± 1 mm ** Average weight

High Temperature (HT)

Model No.	Size	Battery Characteristics		Dimensions*		Weight** (g)	Standard Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)
MR7000D-HT	D	1.2	7000	33.0	60.5	145.0	700	16
MR1500SC-HT	SC	1.2	1500	23.0	44.0	50.0	150	16
MR1500AA-HT	AA	1.2	1500	14.5	50.5	27.0	150	16
MR1300AA-HT	AA	1.2	1300	14.5	50.5	26.0	130	16
MR600AAA-HT	AAA	1.2	600	10.5	44.5	12.0	60	16

* ± 1 mm ** Average weight

High Drain (HD)

Model No.	Size	Battery Characteristics		Dimensions*		Weight** (g)	Standard Charge		Quick Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)
MR3000SC-HD	SC	1.2	3000	23.0	44.0	60	300	16	1500	2.5

* ± 1 mm ** Average weight

h
perature

Nickel Metal Hydride Rechargeable Batteries

Standard (ST)



Standard (ST)



Nickel Metal Hydride Rechargeable Batteries - Specifications

Standard (ST)

Model No.	Size	Battery Characteristics		Dimensions		Weight** (g)	Standard Charge		Quick Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)
MR9000D	D	1.2	9000	Consumer Type 32.5 Industrial Type 32.5	Consumer Type 62.0 Industrial Type 61.0	165.0	900	15	2700	4.5
MR8000D	D	1.2	8000			165.0	800	15	2400	4.5
MR7000D	D	1.2	7000			150.0	700	15	2100	4.5
MR5000D	D	1.2	5000	32.0	62.0	120.0	500	15	1500	4.5
MR4000D	D	1.2	4000	32.0	62.0	110.0	400	15	1200	4.5
MR2500D	D	1.2	2500	32.5	62.0	75.0	250	15	750	4.5
MR4500C	C	1.2	4500	Consumer Type 26.0 Industrial Type 26.0	Consumer Type 50.5 Industrial Type 48.5	90.0	450	15	1350	4.5
MR4000C	C	1.2	4000			85.0	400	15	1200	4.5
MR3500C	C	1.2	3500			80.0	350	15	1050	4.5
MR2500C	C	1.2	2500	25.5	49.5	75.0	250	15	750	4.5
MR3300SC	SC	1.2	3300	22.5	42.5	80.0	330	15	1650	2.5
MR3000SC	SC	1.2	3000	22.5	42.5	60.0	300	15	1500	2.5
MR2200A	A	1.2	2200	16.8	49.5	40.0	220	15	1100	2.5
MR1800AS	4/5A	1.2	1800	16.8	42.5	34.0	180	15	900	2.5

* ± 0.5 mm ** Average weight

Nickel Metal Hydride Rechargeable Batteries - Specifications

Standard (ST)

Model No.	Size	Battery Characteristics		Dimensions*		Weight** (g)	Standard Charge		Quick Charge			
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)		
MR2700AA	AA	1.2	2700	14.5	50.0	34.0	270	15	2200	1.3		
MR2500AA	AA	1.2	2500	14.0	50.0	33.0	250	16	2100	1.3		
MR2400AA	AA	1.2	2400	14.0	50.0	32.0	240	16	2100	1.3		
MR2300AA	AA	1.2	2300	14.0	50.0	32.0	230	14-16	2100	1.25		
MR2100AA	AA	1.2	2100	14.0	50.0	30.0	210	14-16	2100	1.1		
MR2000AA	AA	1.2	2000	Consumer Type 14 Industrial Type 14	Consumer Type 49.5 Industrial Type 48.0	30.0	200	14-16	2000	1.1		
MR1800AA	AA	1.2	1800			28.0	180	15	1800	1.2		
MR1600AA	AA	1.2	1600			27.5	160	15	1600	1.2		
MR1500AA	AA	1.2	1500			27.0	150	15	1500	1.2		
MR1400AA	AA	1.2	1400			26.5	140	15	1400	1.2		
MR1300AA	AA	1.2	1300			26.0	130	15	1300	1.2		
MR1200AA	AA	1.2	1200			25.5	120	15	1200	1.2		
MR1100AA	AA	1.2	1100			25.0	110	15	1100	1.2		
MR120AA5	4/5AA	1.2	120			14.5	42.0	23.5	12	15	120	1.2
MR650AA5	2/3AA	1.2	650			14.5	29.0	15.5	65	15	650	1.2
MR500AA5	2/3AA	1.2	500	14.5	29.0	14.5	50	15	500	1.2		
MR1000AAA	AAA	1.2	1000	10.0	44.0	16.0	100	16	900	1.2		
MR900AAA	AAA	1.2	900	10.0	44.0	15.0	90	16	900	1.1		
MR850AAA	AAA	1.2	850	Consumer Type 10 Industrial Type 10	Consumer Type 44.0 Industrial Type 43.0	13.5	85	15	850	1.2		
MR750AAA	AAA	1.2	750			13.5	75	15	750	1.2		
MR700AAA	AAA	1.2	700			13.5	70	15	700	1.2		
MR650AAA	AAA	1.2	650			13.5	65	15	650	1.2		
MR600AAA	AAA	1.2	600			13.0	60	15	600	1.2		
MR550AAA	AAA	1.2	550			12.5	55	15	550	1.2		
MR500AAA	AAA	1.2	500			12.0	50	15	500	1.2		
MR30AAA5	2/3AAA	1.2	300			10.0	28.5	7.5	30	15	300	1.2
MR250F- 1	6F22	9.6	250	26 × 15.5 × 48	40.0	28	15	250	1.1			
MR250F	6F22	8.4	250		40.0	25	15	250	1.1			
MR200F	6F22	8.4	200		40.0	20	15	200	1.1			
MR160F	6F22	8.4	160		40.0	16	15	160	1.1			

* ± 0.5 mm ** Average weight



Nickel Cadmium Rechargeable Batteries



Nickel Cadmium Rechargeable Batteries - Specifications

High Temperature (HT)



High Drain (HD)



Nickel Cadmium Rechargeable Batteries - Specifications

High Temperature (HT)

Model No.	Size	Battery		Dimensions		Weight** (g)	Standard Charge		Quick Charge		Trickle Charge
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)	Current (mA)
KR4500D-HT	D	1.2	4500	32.5	60.0	142.0	450	15	1350	5	150-230
KR4000D-HT	D	1.2	4000	32.5	60.0	140.0	400	15	1200	5	135-200
KR2500C-HT	C	1.2	2500	25.5	49.0	75.0	250	15	750	5	75-125
KR2200C-HT	C	1.2	2200	25.5	49.0	73.0	220	15	660	5	66-110
KR2000C-HT	C	1.2	2000	25.5	49.0	73.0	200	15	600	5	65-100
KR1700SC-HT	SC	1.2	1700	22.5	42.5	53.0	170	15	510	5	51-85
KR1500SC-HT	SC	1.2	1500	22.5	42.5	52.0	150	15	450	5	50-75
KR700AA-HT	AA	1.2	700	14.0	49.0	21.5	70	15	210	5	21-35
KR600AA-HT	AA	1.2	600	14.0	49.0	21.0	60	15	180	5	20-30
KR500AA-HT	AA	1.2	500	14.0	49.0	21.0	50	15	150	5	15-25

* ± 0.5 mm ** Average

High Drain (HD)

Model No.	Size	Battery Characteristics		Dimensions		Weight** (g)	Standard Charge		Quick Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)
KR4500D-HD	D	1.2	4500	32.5	60.0	145.0	450	15	2250	2.8
KR4000D-HD	D	1.2	4000	32.5	60.0	142.0	400	15	2000	2.8
KR1700SC-HD	SC	1.2	1700	22.5	42.5	53.0	170	15	1700	1.5
KR1500SC-HD	SC	1.2	1500	22.5	42.5	52.0	150	15	1500	1.5

* ± 0.5 mm ** Average



Nickel Cadmium Rechargeable Batteries

Standard (ST)



Nickel Cadmi

Standard (ST)



Nick Cadm

Nickel Cadmium Rechargeable Batteries - Specifications

Standard (ST)

Model No.	Size	Battery Characteristics		Dimensions*		Weight** (g)	Standard Charge		Quick Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)
KR5000D	D	1.2	5000	Consumer Type 32.5	Consumer Type 61.0	140.0	500	15	1500	5
KR4500D	D	1.2	4500	Industrial Type 32.5	Industrial Type 59.5	138.0	450	15	1350	5
KR4000D	D	1.2	4000			135.0	400	15	1200	5
KR2500DS	1/2D	1.2	2500	32.5	36.0	70.0	250	15	750	5
KR2200DS	1/2D	1.2	2200	32.5	36.0	70.0	200	15	600	5
KR2500C	C	1.2	2500	Consumer Type 25.5	Consumer Type 49.5	75.0	250	15	750	5
KR2200C	C	1.2	2200	Industrial Type 25.5	Industrial Type 49.0	73.0	220	15	660	5
KR2000SC	SC	1.2	2000			22.5	49.0	55.5	200	15
KR1900SC	SC	1.2	1900	22.5	42.0	55.0	190	15	1900	1.5
KR1800SC	SC	1.2	1800	22.5	42.0	54.0	180	15	1800	1.5
KR1700SC	SC	1.2	1700	22.5	42.0	53.0	170	15	1700	1.5
KR1500SC	SC	1.2	1500	22.5	42.0	52.0	150	15	1500	1.5
KR1300SC	SC	1.2	1300	22.5	42.0	51.0	130	15	1300	1.5
KR1400A	A	1.2	1400	16.8	49.5	34.0	140	15	1400	1.5
KR1200A	A	1.2	1200	16.8	49.5	31.0	120	15	1200	1.5
KR1100AS	4/5A	1.2	1100	16.8	42.0	26.0	110	15	1100	1.5
KR600AS	1/2A	1.2	600	16.8	28.0	17.0	60	15	600	1.5
KR550AS	1/2A	1.2	550	16.8	28.0	16.0	55	15	550	1.5

* ± 0.5 mm ** Average weight

Standard (ST)

Model No.	Size	Battery Characteristics		Dimensions*		Weight** (g)	Standard Charge		Quick Charge	
		Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)		Current (mA)	Time (hr)	Current (mA)	Time (hr)
KR1000AA	AA	1.2	100	14.5	50	24.5	100	15	1000	1.5
KR900AA	AA	1.2	900	Consumer Type 14.1 Industrial Type 14.1	Consumer Type 49.5 Industrial Type 48.0	24.0	90	15	900	1.5
KR850AA	AA	1.2	850			23.0	85	15	850	1.5
KR750AA	AA	1.2	750			22.0	75	15	750	1.5
KR650AA	AA	1.2	650			21.0	65	15	650	1.5
KR550AA	AA	1.2	550			21.0	55	15	550	1.5
KR350AAAS	2/3AA	1.2	350	14.1	28.0	13.5	35	15	350	1.5
KR300AAAS	2/3AA	1.2	300	14.1	28.0	13.0	30	15	300	1.5
KR150AAAS	1/3AA	1.2	150	14.1	16.5	7.0	15	15	150	1.5
KR350AAA	AAA	1.2	350	10.1	44.0	12.0	35	15	350	1.5
KR300AAA	AAA	1.2	300	10.1	44.0	11.5	30	15	300	1.5
KR240AAA	AAA	1.2	240	10.5	28.5	10.0	24	15	240	1.5
KR180AAAAS	2/3AAA	1.2	180	10.5	28.5	7.0	18	15	180	1.5
KR170AAAAS	2/3AAA	1.2	170	10.5	28.5	7.0	17	15	170	1.5
KR150AAAAS	2/3AAA	1.2	150	10.5	27.8	7.0	15	15	150	1.5
KR100AAAAS	1/3AAA	1.2	100	10.5	15.5	4.0	10	15	100	1.5
KR80AAAAS	1/3AAA	1.2	80	10.5	15.5	3.0	8	15	80	1.5
KR60AAAAS	1/3AAA	1.2	60	10.5	15.5	3.0	6	15	60	1.5
KR120F	6F22	8.4	120	26.1 × 15.5 × 48.5		38.0	12	15	120	1.5

* ± 0.5 mm ** Average weight

Battery Pack Configurations

GOLDEN POWER Ni-Cd and Ni-Mh Rechargeable Batteries are frequently used for battery pack assembling. Different applications required different configurations, and the followings must be considered:

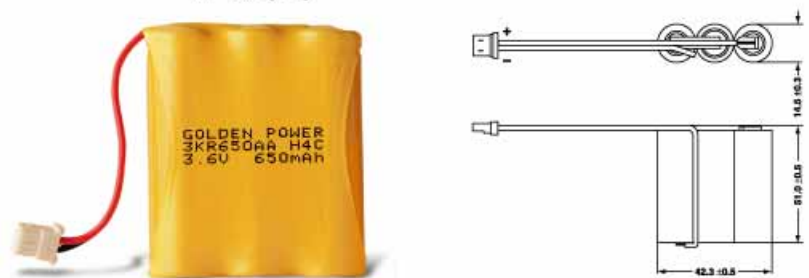
Designation System For Battery Packs

The designation of a battery pack is composed of 5 code numbers and each of them is used to identify different information:

1. Number of Cells	2. Model Number	3. Configuration Code	4. Tag Type Code	5. Tag Direction
--------------------	-----------------	-----------------------	------------------	------------------

An example of such designation method is shown below:

Ni-Cd (ST)



3
↑
3 cells in the pack

KR650A
↑
Model number of the single cell

H
↑
Horizontal type configuration

4
↑
With lead wire

C
↑
With ML 01 (Molex 5264-02) Connector

Here below are example of some popular battery packs:

Ni-MH (ST)



for Cordless Phone

Ni-Cd (HT)



for Emergency Light
4KR150SCHV4P

Ni-Cd (HD)



for Power Tools
6KR180SCD54A



Configuration Code

<p>Type: 1 Individual cell with tag terminals spot welded at (+) and (-) poles</p>	<p>Type: V Cells stacked a vertical column</p>	<p>Type: H Cells arranged in an horizontal row</p>	<p>Type: Y Cells arranged side by side in 2 equal horizontal rows</p>	<p>Type: T Cells arranged in an horizontal triangular shape</p>	<p>Type: S Cells stacked up in equal vertical columns</p>	<p>Type: Z Cells arranged side by side in 2 horizontal zigzag row of unequal number of cells</p>	<p>Type: X For irregular Configuration, e.g.</p>
--	--	--	---	---	---	--	--

Solder Tag Type Configuration

<p>Code: 1 Strip solder tag</p>	<p>Code: 2 Solder wire</p>	<p>Code: 3 Short strip tag</p>	<p>Code: 4 Lead wire</p>
-------------------------------------	--------------------------------	------------------------------------	------------------------------

Tag Direction Code

<p>Code: P Pointing at the same direction</p>	<p>Code: O Pointing at the different directions</p>
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Connectors

<p>Code: A JS01 (JST LR-02F-1) Lead wire: AWG 18 UL1015</p>	<p>Code: B JS02 (JST EHR-2) Lead wire: AWG 26 UL1007</p>	<p>Code: C ML01 (MOLEX 5264-02) Lead wire: AWG 24 UL1007</p>	<p>Code: D MI01 (MITSUMI M63M83-02) Lead wire: AWG 26 UL1007</p>	<p>Code: Z Other Connector Models</p>	<p>Thermostat</p>	<p>Polyswitch</p>
---	--	--	--	---	-------------------	-------------------

Applications

- Cordless Phones
- Laptop Computer
- Portable Power Tools
- Camcorder
- Transceiver
- Memory Backup Device
- Emergency Light
- Cassette Recorder, Walkman
- Toys and many others.

Please contact us for more details

Precautions

- Keep charging temperature and rate constant
- Do not dispose of the battery in fire
- Do not short circuit the battery
- Do not solder the battery directly
- Observe correct polarity when connecting

- Do not use primary battery together with Ni-Cd or Ni-MH.

The applications and working conditions for Ni-Cd and Ni-MH are different.

Please contact us for more details

Applications

Emergency Lights



4KR1500SCV4P-HT



2KR1500SCV4P-HT



3KR1500SCV4P-HT



5KR1500SCX4P-HT



7KR1500SCX4P-HT



5KR4000DV4P



3KR4000DV4P-HT



5KR1500SCV4P-HT

Toys & Racing Cars



2MR80AAASH4P



2MR80AAASVXX



6MR2800SCS4A



2MR30AAASX1P



2KR60AAASH1P



8KR750AAS4A



6KR1900SCS4A-HD



7MR600AASH4Z



Cordless Phones



2KR320AASH4B



4KR650AAH4B



3MR600AAH4D



3MR30AAASH4C



3MR600AASH4D



3KR240AAH4C



T02A



T02B



T02C



T024



T029



T021



T023



T022



More Applications



Communication Products



Security Products



Home Appliances Products



Power Tools



Iron



Eggbeater

Rechargeable Batteries - Packings



BC2



BC2



BC2



BC4



BC1



Multi Types Charger Pack

Chargers

e-Accu

Types \ Models	BABIE 510	TEEN 500	KEN 206	PROF 800
Flash (15 / 30 / 60mins)		●	●	●
Express (1 hour up)	●	●	●	●
Rapid (4 hours up)	●	●	●	●
OverNight (8 hours up)	●		●	

Remarks: 1. Charging time with respect to MR2000AA batteries 2. All individual channels

Classic

Types \ Models	100	101	102	200	201	202 [#]	203 [#]	204	205	210 [#]	300
Flash (15 / 30 / 60mins)							●				
Express (1 hour up)					●	●		●	●	●	
Rapid (4 hours up)				●							
OverNight (8 hours up)	●	●	●								●

Remarks: # - Accept worldwide input voltage (100-240V AC)

e-Accu Chargers - Specifications



with the latest "Doctor Function" technology

Features		Models			
		BABIE GE / GU / GA510	TEEN GE / GU / GA500	KEN GE / GU / GA206	PROF GE / GU / GA800
Basic Information	Configuration	Desktop			
	Input Voltage	100 - 240V AC 50/60Hz			
	Car charging function*	●			
	Battery type	Ni-MH / Ni-Cd			
	Battery size	AA x 2pcs or AAA x 2pcs	AA x 4pcs or AAA x 4pcs		
Standard Features (Electrical)	Delta voltage cut-off	Negative 2 individuals	Negative 4 individuals		
	Charging channels	2 individuals	4 individuals		
	Reverse polarity protection				
	Defectiv Battery detectione				
	Safety timer cut-off				
	Short circuit protection				
	Max temp cut-off				
	Max voltage cut-off				
Standard Features (Image)	Colour				
	Silicon rubber gribs on both sides	●			●
	Dual-colour LED	●			
Advanced Features	Doctor Function*	●			

Remarks: * Input voltage is 12V DC

** This function is designed to 'wake up' those 'slept' batteries (slept battery means cell never in-use, not in good condition)

Classic Chargers - Specifications



GE203 | GU203 | GB203



GE201 | GU201 | GB201

GE202 | GU202 | GB202

GE204 | GU204 | GB204

GE205 | GU205 | GB205

GE210 | GU210 | GB210

Flash

(15/30/60 mins)

for Schuko type	for UK type	for American type



Express

(1 hour up)

for Schuko type	for UK type	for American type



GU200 | GE200 | GB200



GU100 | GE100 | GB100

GU101 | GU101 | GB101

GU102 | GU102 | GB102

GU300 | GE300 | GB300

Rapid

(3 hours up)

for Schuko type	for UK type	for American type



OverNight

(8 hours up)

for Schuko type	for UK type	for American type



Classic Chargers - Specifications

Features		Models		Flash	Express			Rapid	OverNight											
		GE203	GU203	GB203	GE201	GE202	GE204	GE205	GE210	GU200	GE200	GB200	GU100	GE101	GU101	GE102	GU102	GU300	GE300	GB300
Cut off function	Safety timer cut off function	●	●	●	●	●	●													
	Maximum temp. cut-off function	●	●	●																
	Maximum voltage cut-off function	●		●																
	Negative delta (-ΔV) cut off function	●	●	●	●	●	●	●	●											
Protection Device	Maximum voltage					●	●													
	Maximum timer					●	●													
	Short circuit protection	●	●	●				●	●											
	Reverse-polarity protection	●	●	●	●	●	●	●	●											
	Defective battery detection	●	●	●	●	●	●	●	●											
	AA and AAA mixed protection	●		●																
Charging Channel	Alkaline battery detection					●	●													
	One charging channel					●														
	Four individual charging channels							●												
	Two individual charging channels - can charge 1-2 pcs AA / AAA or 1pcs 9V (6F22) size batteries													●						
	Two individual charging channels - can charge 2-4 pcs AA / AAA size batteries					●	●	●		●	●						●			
	Adjustable contact plates for AA or AAA batteries												●	●	●					
	Built-in IC timer control																			●
world wide Input Votage	●		●																	

The company reserves the right to modify product specification and data stated in catalogue without prior notice.
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