

# Panasonic® ideas for life

## Industrial Battery Newsletter August – October 2004 Issue

### Welcome

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Welcome to the 6th newsletter edition.

Please review the important New Product changes & Discontinuations and contact us if you have any questions.

Previous editions of our quarterly newsletter can be found in the Industrial battery section of the Panasonic Canada Inc. web site at [www.panasonic.ca](http://www.panasonic.ca).

### Recent Product Changes

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#### NEW PRODUCTS

##### New "C" Cell Size Added to H-Type Ni-MH Product Line Model: HHR300CH



Panasonic has introduced a "C" size to the NiMH H-Type product line up. The HHR300CH is superior to standard NiMH product in applications that utilize a low-rate charge at high temperatures. Improvements were made to the elements of existing NiMH cells (the negative plate alloy, separator fiber density and a new electrolyte composition) to improve performance.

#### Features

- Higher capacity in a smaller size and lighter weight than other battery back-up solutions (Lead-Acid, NiCd)
- Efficient charging at high temperatures (up to 60°C)
- 8-10 year expected life when used with the proper charge control circuitry

Model Number	Size	Nominal Voltage	Discharge Capacity <sup>1</sup> (mAh)		Dimensions (mm)		Approx Weight (g)
			Average	Minimum	Diameter	Height	
HHR300CH	C	1.2	3300	3100	25.8 +0/-1.0	50.0 +0/-1.5	80

1) 0.2It discharge capacity after charging at 0.1It for 16 hours

**New “D” size Ni-MH added to High power Type Product Line  
Model: HHR850D**

Panasonic has introduced a new High Capacity “D” cell  
The new cell offers high capacity, excellent high rate discharge and low temperature (-20C) characteristics.

**Features**

- High Maximum Discharge Current: 37.5A
- Excellent Cycle Life: 500 cycles
- Rapid Charge: 4.5 hours

Model Number	Size	Nominal Voltage	Discharge Capacity <sup>1</sup> (mAh)		Dimensions (mm)		Approx Weight (g)
			Average	Minimum	Diameter	Height	
HHR850D	D	1.2	8500	7500	33.0 +0/-1.0	61 +0/-1.5	170

**Lithium Coin Cell Modified  
from CR2032 to CR2032/L**

Panasonic's Indonesia plant modified the CR2032 Lithium coin cell to reflect an increase in capacity and structural changes.

**Features of the new CR2032/L include:**

- Good performance at high rate discharge
- Capacity increase from 220mAh to 225mAh

Pricing will remain the same.

The model number change will be reflected in the ordering number only - the catalog model number will remain CR2032.

Samples are available upon request.

## **Discontinued Product Notification:**

Panasonic is continuing the plan to consolidate Ni-MH and Ni-Cd batteries in an effort to focus our business on current opportunities and meet future demand in the market

Increased emphasis on environmentally friendly products is leading us away from NiCd technology in favor of others. Specific legislation in Europe has reinforced our decision to discontinue most Ni-Cd models, in the near future Panasonic will continue to offer environmentally friendly new products that are in demand in the marketplace.

Production of the following part numbers will be discontinued according to this strategy.

### Products

Size	PN	Direction	Replacement
1/3AA	P-11AA/FT	Termination	
1/3AA	P-11AAH/FT	Termination	
2/3AA	P-30AAH/FT	Termination	
2/3AA	P-30AARM/FT	Termination	HHR35AA*
7/5AA	P-120AAS	Replaced by MH	HHR120AA/FT
AA	P-50AAH/FT	Termination	
AA	P-60AARM	Termination	HHR70AAB
AA	P-60AARM/FT	Termination	HHR70AA/FT*
AA	P-70AARC/FT	Replaced by MH	HHR70AA/FT*
AA	P-80AAS/FT	Termination	
N	P-18N	Termination	

Size	PN	Direction	Replacement
C	P-240C	Termination	
C	P-250CHY	Replaced by MH	HHR300CH
C	P-280CR	Replaced by MH	HHR300SC
D	P-400DHM	Replaced by MH	HHR370AH
D	P-440D	Termination	
D	P-500DRA	Replaced by MH	HHR370AH
SC	P-120SCHM	Replaced by MH	HHR250SCH etc
SC	P-120SCPM	Replaced by MH	P-130SCS

\*HHR35AA & HHR70AA/FT are under development.

Samples available Sept. 2004

Production start: 1Q/2005

### **Schedule:**

Sep/2004: 2005 Demand Outlook

Oct/2004: Last Buy

Jan-Mar/2005: Final Production

For your reference:

\*The products below were previously discontinued.

(Ni-Cd)

Size	PN	Direction	Note
AAA	P-25AAAR	Termination	
AAA	P-25AAAR/FT	Termination	
2/3A	P-60ASF	Termination	
4/5A	P-150ASK	Termination	
A	P-160ASK	Termination	
5/4SC	P-230SCS	Termination	
2/3C	P-100C	Termination	
1/2C	P-65C	Termination	Inventory Sales

(Ni-MH)

Size	PN	Direction	Note
4/5AA	HHR105AAN/FT	Termination	
AA	HHR110AAOKFT	Termination	
AA	HHR-150AAB	Termination	
AA	HHR200AA	Termination	Use HHR210AAB
AAA	HHR-55AAAG/FT	Termination	
AAA	HHR70AAAB	Termination	Use HHR75AAAB
L-AAA	HHR75LAAA/FT	Termination	
4/5	HHR160AU	Termination	

**The following Ni-Cd models are still available for supply**

Size	PN	Direction	Size	PN	Direction
AA	P-100AASJ	Continue	SC	P-130SCS	Continue
AA	P-100AASJ/FT	Continue	SC	P-150SCS	Continue
4/5A	P-120ASF	Continue	SC	P-170SCS	Continue
A	P-140ASF	Continue	SC	P-200SCS	Continue
4/5SC	P-120SCJS	Continue			
4/5SC	P-120SCJSB	Continue			

## Lithium Batteries Consolidation

We would like to remind you ( May 04 Newsletter) of the Lithium models proposed for discontinuation by March 31, 2005. Final orders should be placed by January 31, 2005

Discontinued Model by 2005	Suggested Alternative	Discontinued Model by 2005	Suggested Alternative
BR1216	CR1216	ML612	N/A
BR1616	CR1616	ML616	N/A
BR2016	CR2016		
BR2020	N/A	VL1216	N/A
BR2320	N/A		
		BR-2/3AH	BR-2/3A BR-2/3AG
CR1632	BR1632	BR-AH	BR-A, BR-AG

Note: Suggested alternative models may not be an exact replacement, please confirm specifications before purchase or use.

## **Company Changes and Information**

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### **Literature Update**

More product specific brochures are available for Industrial Alkaline and VRLA battery products. Please contact us if you would like copies.

### **Web Site**

Following are direct links to the Industrial Battery section of the Panasonic Canada Inc. web site:

<http://www.panasonic.ca/English/batteries/industrialbatteries/index.asp>

<http://www.panasonic.ca/French/accumulateurs/accumulateurs/index.asp>

### **Notice to Readers**

*It is the responsibility of each user to ensure that every battery application is designed safe and compatible with all conditions encountered during use, and in conformance with existing standards and requirements.*

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