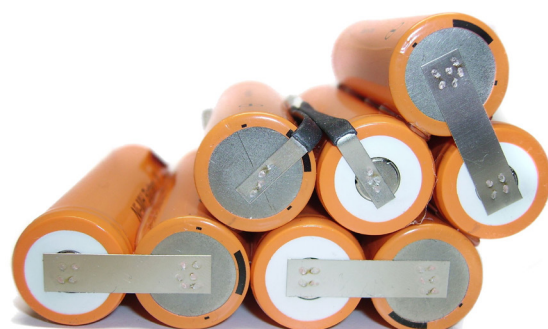


# NICKEL METAL HYDRIDE

## NI-MH

EXCITING  
DEVELOPMENTS  
KEEP NI-MH  
AT THE FOREFRONT

[www.euroenergy.co.uk](http://www.euroenergy.co.uk)

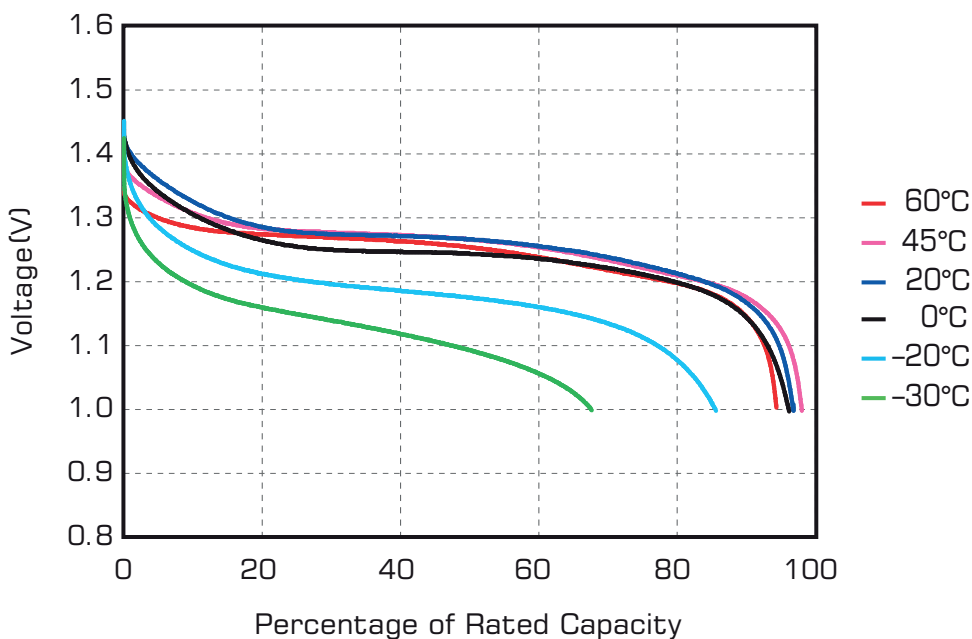


# Developments in Ni-MH

Developments in Ni-MH have created many significant advantages over lithium alternatives. Manufacturers such as Panasonic understand the importance of Ni-MH in its battery portfolio, and the ability of Ni-MH to be adapted to fill requirements which have so far eluded lithium chemistry batteries.

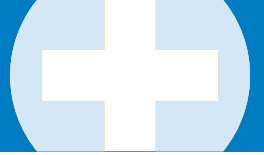
Recent additions include cells designed specifically for low temperature discharge, enabling good discharge performance to as low as  $-30^{\circ}\text{C}$ . The same cells offer standard Ni-MH performance at  $60^{\circ}\text{C}$ , so performance is assured in portable equipment operating globally. Once the temperature has normalised to between  $0^{\circ}\text{C}$  and  $60^{\circ}\text{C}$ , recharge takes as little as 1.2 hours.

## 0.2c Discharge



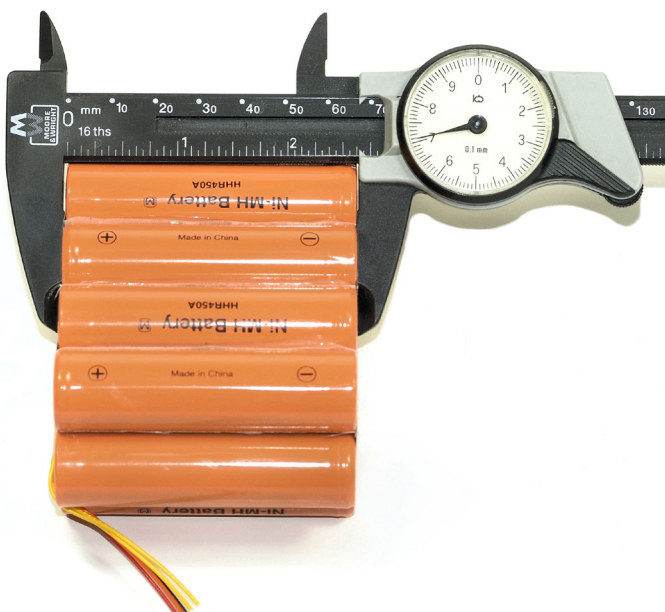
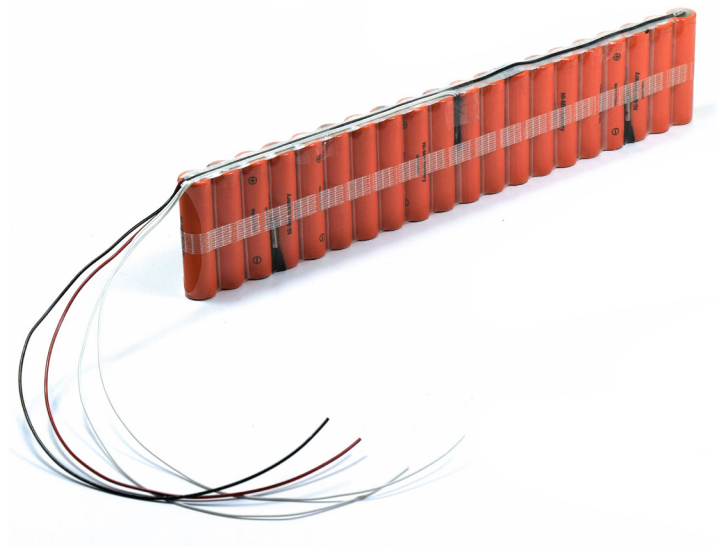
Additionally cells have been developed for back up use at high temperature during both charge and discharge, with long life types offering up to 10 years of service. Others are formulated to offer high rate discharge in similar environments at rates as high as 12C.

This is in addition to the mature, safe standard Ni-MH cells historically offered.



# When is Ni-MH the best alternative?

- If you need a light weight battery but recognise that featherweight isn't your goal. And sometimes a few grams adds a quality feel to a product.
- When you want to launch your product without committing to high set up costs.
- If you intend to ship products overseas by air or sea. Ni-MH is inherently safe with the inclusion of simple protection devices and doesn't require a Despatch Department to be trained in Dangerous Goods shipping.
- If an overseas customer perceives a battery to be defective, getting Li-Ion back to you for investigation is often a logistical nightmare, or worse still, impossible. Ni-MH can travel freely across borders by aircraft.
- Easily configurable into packs of any shape or size with no minimum batch sizes and short lead times.



High and low temperature operation

Good Cycle Life

Relatively light

Capable of higher rate discharge than Li-Ion

No heat generated on discharge

Fast charging

Adaptable

Fast project start up

Mature technology

Short lead times

Safe

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on **+44 (0) 116 234 0567**

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