



POWERED BY

# Panasonic Batteries

## OEM Battery Industry Solutions



Lithium Primary

Lithium Ion

Nickel Metal Hydride

Lithium Rechargeable

VRLA

Alkaline

Make Your Product Powered by Panasonic

Panasonic ideas for life

# Panasonic Industrial

Many products sold by Fortune 500 companies are

in fact **Powered by Panasonic**

technology, and we are proud to provide manufacturers with the **performance, quality, and reliability** that are synonymous with the Panasonic brand.

The Power of Panasonic Industrial

brings strategic **innovations**

to our customers' product development process. We provide the **technology and engineering resources** to enable manufacturers to plan and build **world-class solutions** to meet their **customer needs**.

Engineering and manufacturing

power form the core of our

company's **strength**,

infusing our entire product line,

from the smallest chip to giant

HD displays. Prior to becoming

a global consumer electronics

powerhouse, Panasonic began its

existence by developing **component**

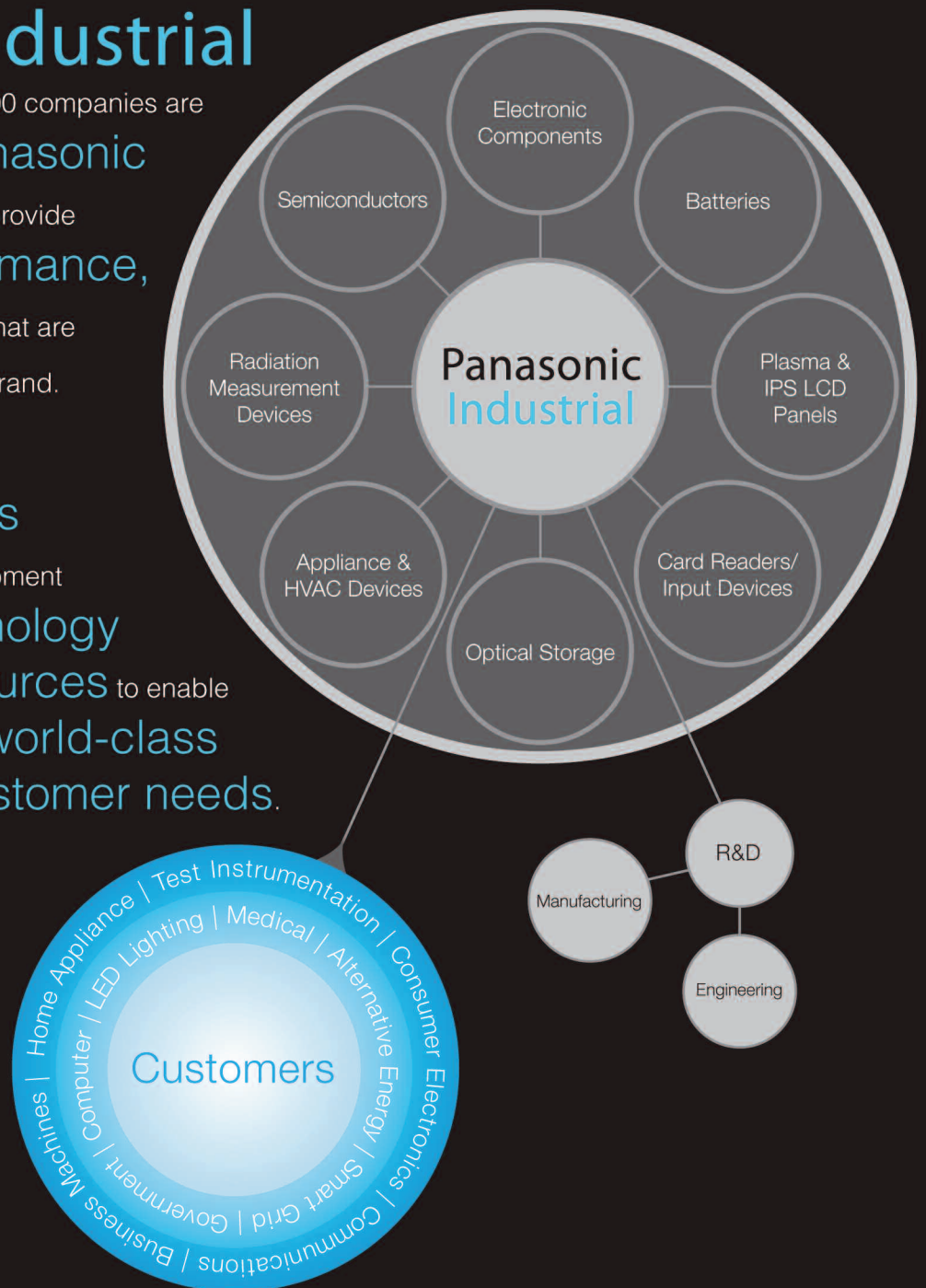
**and material technologies** that still serve as the **building blocks** for the

wide range of advanced products for which our company is best known today, and this development continues.

Our technology is **deeply embedded** within our customers' products, so consumers may

not realize that their refrigerator has at its heart a Panasonic compressor, their mobile device relies upon our components and batteries, their computer contains our DVD drive, or their television uses our display

panels. Our measure of success is the **confidence and trust** shown in our technology when it becomes the power behind our customers' products.





Panasonic batteries is a leading supplier of advanced manufacturing and product technologies, with superior quality and performance characteristics. Panasonic provides one of the broadest lines of primary and rechargeable batteries in the world, meeting the needs of multiple markets for reliable battery power for critical applications.

OUR PRODUCT LINE INCLUDES

**LITHIUM ION | LITHIUM PRIMARY CYLINDRICAL | NICKEL METAL HYDRIDE  
LITHIUM COIN | VALVE REGULATED LEAD ACID (VRLA) | ALKALINE**

## Let Panasonic Batteries meet your multiple market needs

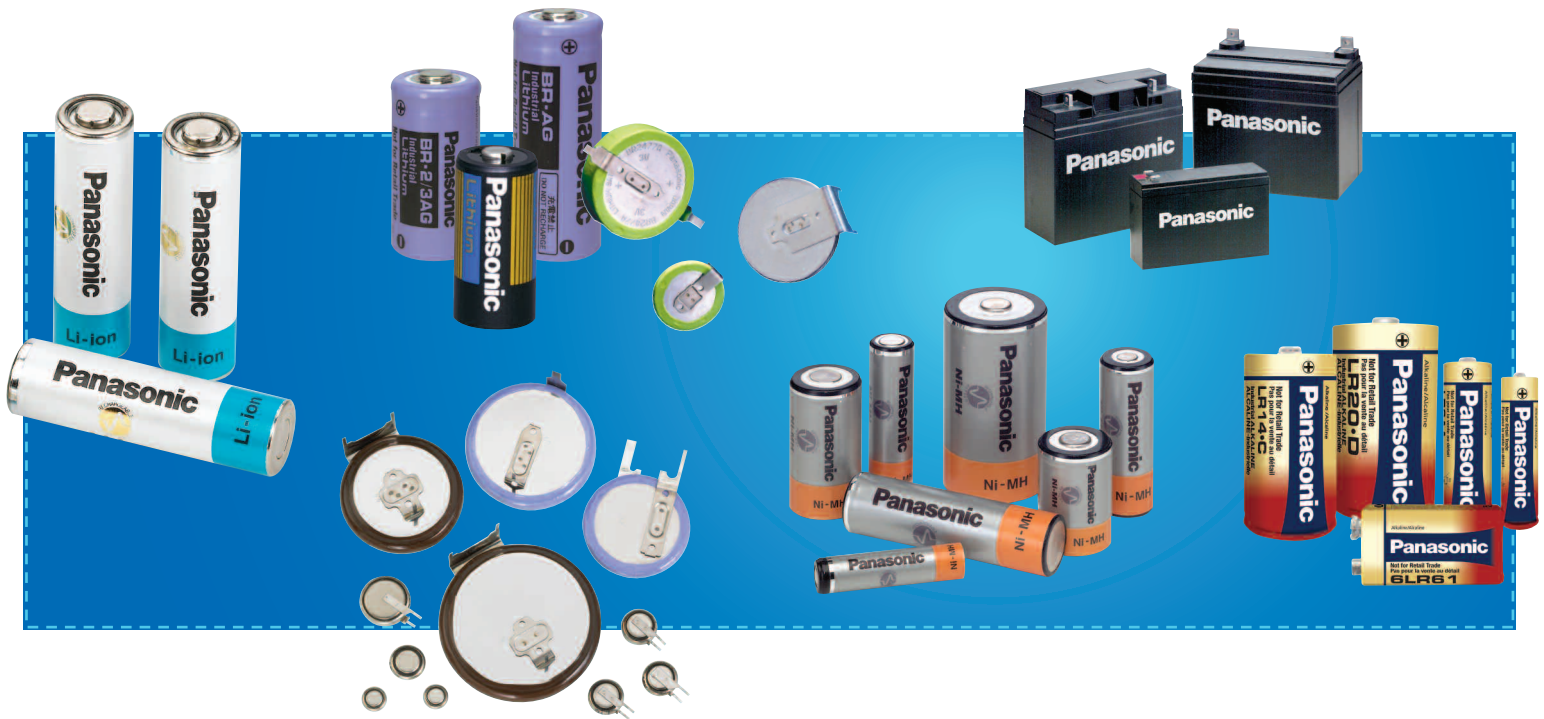
### **Business/Industrial applications**

- Alkaline batteries provide high current and capacity for a wide range of portable products.
- The high durability and stability of lithium primary cylindrical cells make them ideal for extreme environmental conditions.
- BR & CR lithium coin cells provide reliable performance and safety for applications such as memory backup and RFID.
- For applications such as backup power, Panasonic VRLA batteries provide high quality performance and maintenance-free operation.

### **Consumer electronics**

- The high current and capacity of alkaline batteries makes them ideal for portable electronic products.
- Lithium ion cells provide high durability and stability for applications such as video cameras and microphones.
- VRLA battery technology is perfect for applications such as emergency road signs where maintenance-free operation is key.





## Powerful Market Solutions

### Medical

- BR & CR lithium cells provide reliability and safety for applications including low power consuming compact cordless devices, glucose meters, pain management tools, and memory backup.
- Lithium primary cylindrical cells offer high durability and stability for applications such as electronic measurement equipment, AEDs and infusion pumps.
- Lithium ion cells offer high capacity and light weight for applications such as ultrasound machines and ventilators.
- VRLA batteries offer maintenance free, long service life, and quick chargeability for applications such as backup power, wheelchairs, and emergency lighting.
- Alkaline batteries offer excellent storage life and resistance to leakage— ideal for personal monitors and a range of cordless products.

### Communication

- Light weight, high capacity lithium ion cells are ideal for applications such as cell phones, walkie-talkies, and radios.
- NiMH batteries provide rapid charging and excellent lifecycle characteristics for applications such as cellular mobile telecom products, portable VCRs, TVs, stereos, and CD players.
- Lithium ion and primary cells deliver high quality performance and long term reliability for backup power in communication applications such as GPS trackers and emergency calls.







## Power Up Green

### Energy Storage, Electric Vehicles, Wind Power

- Panasonic's new 1.5kWh module utilizing 18650 lithium ion cells, provide innovative energy solutions for residential, industrial and electric vehicles (EV) markets.
- Multiple units can be connected in series and/or parallel to store energy generated by sources such as photovoltaic (PV) systems, fuel cells and utilities.
- The high-energy module is constructed from 140 pieces of 18650-type lithium ion cells— seven serially connected rows that allow the system to avoid serious loss in performance even if individual cells fail.
- Panasonic also supports large scale energy systems custom designed by our authorized assemblers, utilizing our latest Lithium ion technology.
- VRLA batteries are ideal for pitch control of wind turbine blades; they feature long life, superior quality, and outstanding cell technology.







For more information on how Panasonic can assist you  
with your battery power solution needs call **877-726-2228**,  
visit **[www.panasonic.com/industrial/batteries-oem](http://www.panasonic.com/industrial/batteries-oem)**  
or e-mail **[oembatteries@us.panasonic.com](mailto:oembatteries@us.panasonic.com)**

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