FIVE TIPS TO CHOOSE THE RIGHT BATTERY

If your device is important - so is a reliable power source

CHOOSING CHEMISTRY

There are numerous battery technologies to choose from.
Lithium ion is proving itself to be the reliable chemistry of choice for new devices.
The technology provides high energy density, excellent safety, low self-discharge and outstanding cycle life.
Through selection of cathode formulation and cell construction a wide range of cells have been developed that provide specific performance attributes, such as high discharge capability or high volumetric energy density.

What do you need from your battery?

A SMART DECISION

To maximise performance and safety, systems exist to allow batteries to communicate with chargers and host devices. This allows for accurate capacity measurement and, with algorithmic security, an assurance of legitimacy.
In vital situations, like medical or military applications, these features provide peace of mind.

Is performance paramount? Think smart.

1%

The accuracy of smart batteries when predicting their own energy capacity.

10%

of all electronics in the global supply chain are counterfeit.
A smart battery with SHA1 authentication can prevent fake batteries being used in your device

SIZE WISE

It is important that the battery inside a device is correctly sized for the job it needs to do. If space is at a premium and long run-time is required then hot-swappable batteries may be considered to lengthen the operation of a device.

How much space do you have?

GET CERTIFIED

Most battery powered portable devices now require their batteries to be certified to IEC 62133:2012.
For batteries using Lithium ion cell technology, mandatory transportation testing must be performed to ensure the battery is safe for transport. A good battery integrator will manage this certification process seamlessly, ensuring worldwide market compliance.

Get peace of mind for you and the end user.

ENSURE SAFETY

The battery is the heart of device and it must never pose a risk to its environment or the end user. A good battery integrator will ensure the battery contains 'nested' layers of safety that include its cell selection, mechanical design, passive protection and active electronic protection elements.

There should be no doubt of the quality of your batteries.

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