



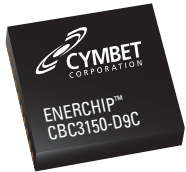
Eco-friendly
Energy
Storage



6 Reasons Why EnerChips Uniquely Enable Green Solutions

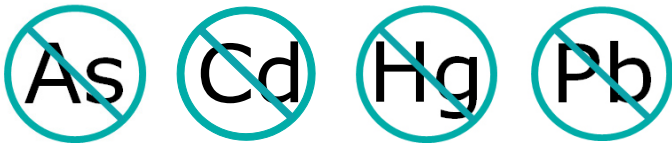
1 - The Safe Alternative to Legacy Batteries

Cymbet EnerChip™ rechargeable Solid State Batteries (SSB) are created using semiconductor processing techniques on silicon wafers. The EnerChip devices are completely different from traditional batteries and super-capacitors that have dangerous and toxic waste disposal issues. New products that utilize EnerChip devices are freed from many of the use and disposal restrictions caused by using legacy technologies.



2 - EnerChip Products are RoHS Compliant

To minimize the environmental impact, the EU and many countries restrict the use of certain hazardous substances, which include lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls [PBBs] and polybrominated diphenyl ethers [PBDEs] in electrical and electronic equipment. To achieve reduction of these substances, the European Commission has created a directive on "RoHS". A complete analysis of the Cymbet EnerChip product family documented there is no cadmium, lead, mercury, hexavalent chromium, PBBs and PBDEs in formulation of the products. None of the ingredients for Cymbet products exhibit contamination by these heavy metals. On the basis of collected data, Cymbet has determined all EnerChip are RoHS Compliant.



3 - No Heavy Metals or other Hazardous Substances

In addition to RoHS compliance, Cymbet has performed additional analysis to insure EnerChip products do not contain hazardous substances as listed by the U.S. Agency for Toxic Substances and Disease Registry. EnerChip products do not contain Arsenic, Lead, Mercury, Cadmium or any other chemicals or compounds listed in the top 50 items on this CERCLA priority list.

4 - EnerChips are Environmentally Friendly

Since EnerChip devices have many attributes that make them eco-friendly including:

- EnerChip devices are 1000's of times rechargeable so they last the lifetime of the product - no batteries to change and no special disposal needed
- No dangerous chemicals or gasses to leak out
- No flammable solvents, completely non-combustible
- EnerChips use surface mount technology, no holders or other connecting apparatus is used.
- EnerChips do not dry out and fail like batteries

5 - Safe to Transport Aboard Aircraft

All Cymbet EnerChip devices meet the requirements of 49 CFR Subchapter C Subsection 172.102 Special Provision 188. Therefore, they are not subject to any other requirements of Subchapter C (Hazardous Materials Regulations) as EnerChip devices are packaged to prevent short circuits and packed in strong packing for conditions normally encountered in transportation.



6 - Easy EnerChip Device Disposal

Because EnerChip devices are manufactured and packaged like other solid-state integrated circuits, they have similar disposal methods with no materials to recycle. Solid State Batteries are currently covered by the EU Battery Directive 2006/66/EC but are also a key technology development as described in Preamble item 12 to "encourage technical developments that improve the environmental performance of batteries and accumulators through their entire life cycle". Contact the Cymbet Support Team for information on the methods for successfully meeting the EU directives and other global environmental initiatives.



**EnerChip
Devices
Compliant**



**Not Applicable
to EnerChip
Devices**