

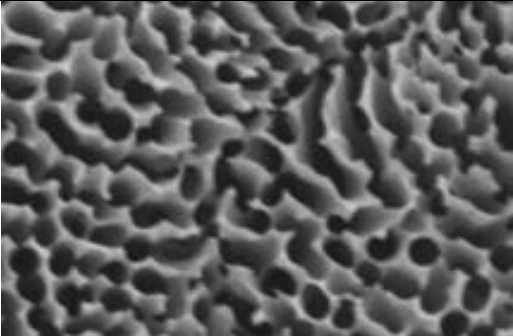

Productsheet


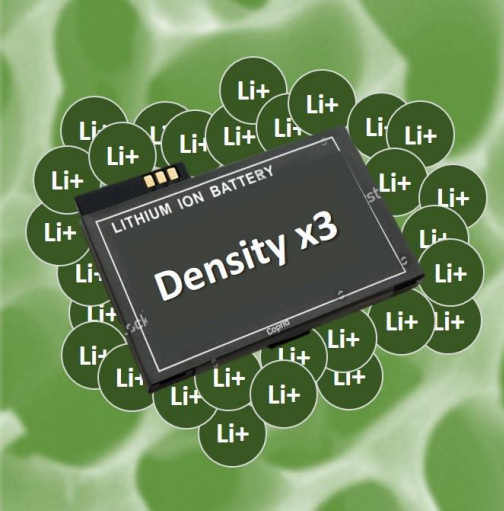
E-magy™ nano sponge powder

A porous silicon nano powder that enables higher Li-ion battery anode energy densities without charge-discharge degradation

Features	Application
<ul style="list-style-type: none"> ➤ Micro size particles with a nano sponge structure inside, which accommodates the charge/discharge expansion ➤ Basic porosity of about 35%, with an optional range between 35% and 70% porosity ➤ Average particle sizes in the range of 10 μm, with an optional range between 5μm and 15 μm 	<ul style="list-style-type: none"> ➤ For application in the anodes of various cell types and battery applications in the Li-ion battery anode market ➤ Premium performance against attractive cost, enabling cycle stability at enhanced energy densities ➤ A drop in material in the existing anode supply chain, with excellent scaling opportunities

Imagination

E-magy™ nano sponge structure	E-magy™ nano sponge powder
	

Li-ion batteries capacity +50%	Li-ion battery anode density x3
	







E-magy technology and materials

RGS casting process	E-magy material manufacturing
	

References

reference institutes	RGS Development B.V.
  	

Services

Qualification	Manufacturing
<ul style="list-style-type: none">  Sample supply for initial testing  Development and sample supply for customized structures, to serve dedicated cell configurations 	<ul style="list-style-type: none">  Incubation manufacturing services  Volume manufacturing, with an initial capacity ramp up to 50tons/year



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