

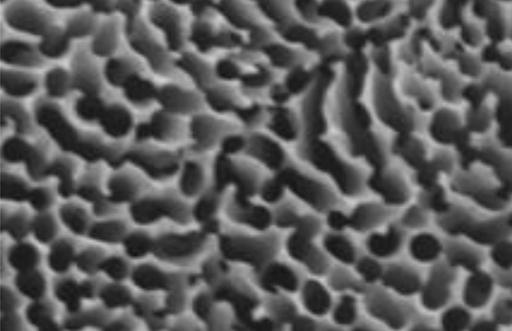
Productsheet

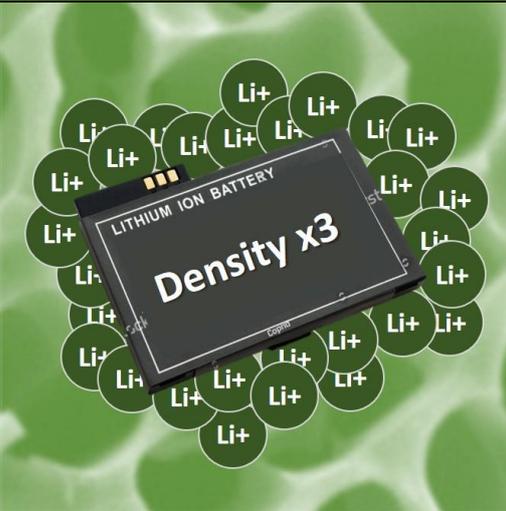
E-magy™ nano sponge powder

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 50%, micrometer particle sizes in the range of 15-50 μm ➤ Premium performance, enabling increased energy densities of 1000mAh/g and above 	<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 ➤ Competitive cost compared to the incumbent Carbon materials ➤ A drop in material in existing anode supply chain

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	Technology service
<ul style="list-style-type: none"> ➤ Prototyping and optimization ➤ Particle finetuning and validation, based on industrial scale processing 	<ul style="list-style-type: none"> ➤ Incubation manufacturing ➤ Up to 50t /y capacity 	<ul style="list-style-type: none"> ➤ Technology licencing and transfer



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