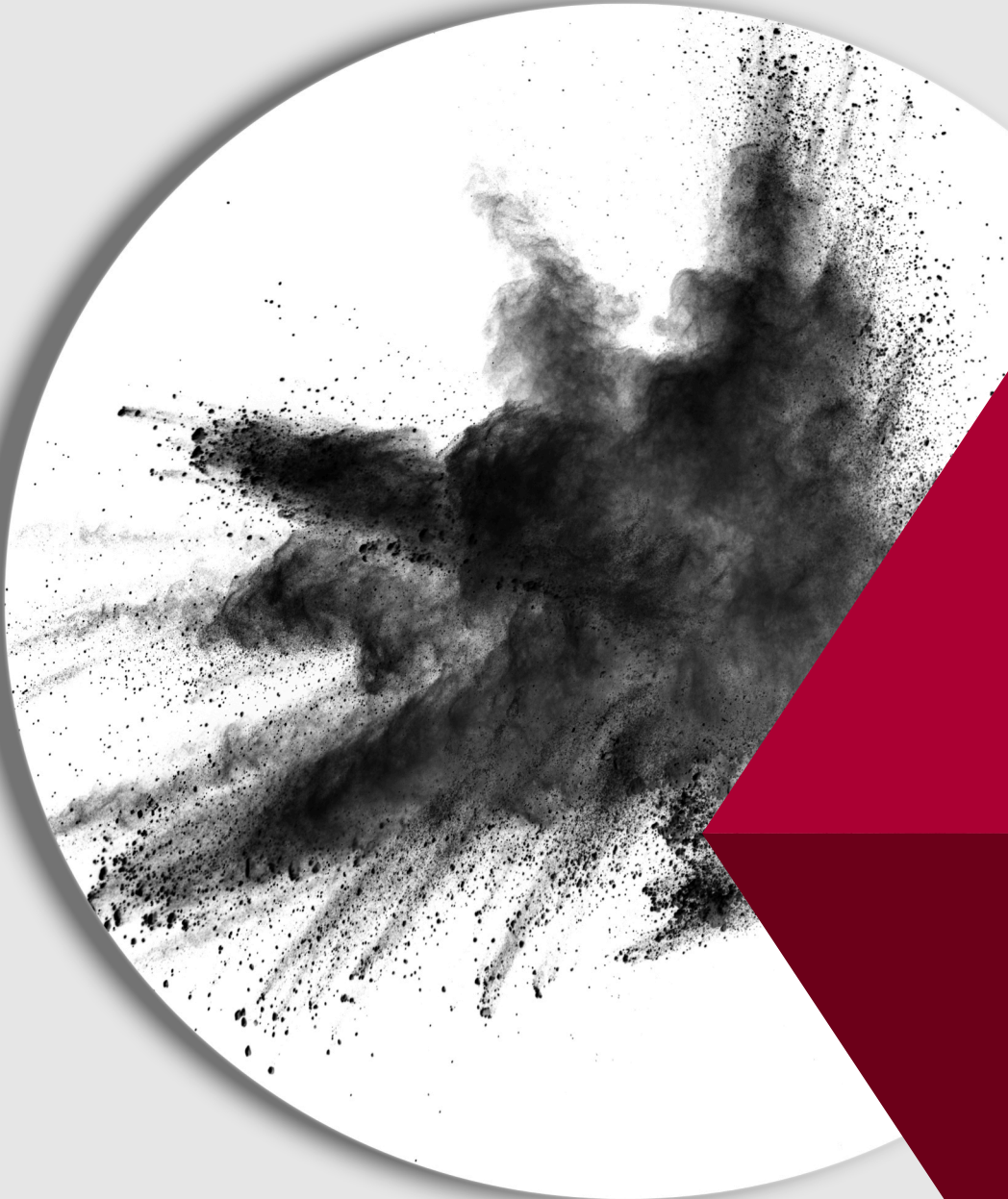




PRODUCTS FOR BATTERY

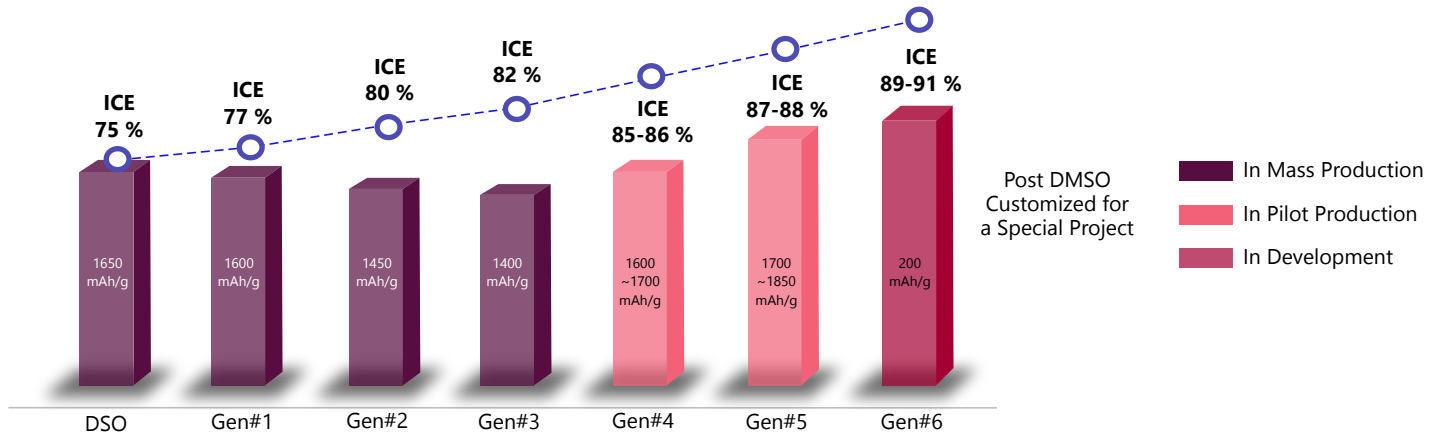
Silicon Anode Material



Product Description

Carbon coated, high initial efficiency silicon oxide composite for anode material of LiB (material related inventions). Excellent cycle life performance, proven track record in the industry and technology patented.

Product Road Map of DMSO



Electronic Materials

	General SiO	DMSO	DMSO SR (Silicon Rich)
Structure			
Application (main)	P/T, EV	EV, P/T	EV, IT
Dosage (%)	1~3 %	4~10 %	Under development
Business Stage	Mass Production	Mass Production	~100 % Pilot Stage
Characteristics	Price competitiveness Applied to EV batteries due to good cycle life	Excellent low expansion, long cycle life, and high output characteristics, suitable for EV batteries	Outstanding efficiency and capacity High production cost
Product Series	DSO	DMSO Gen #1~4	DMSO Gen #5~6

DMSO Technology

DMSO shows ideal Si-silicate matrix, and prevents the formation of irreversible product intrinsically during charging & discharging process.

- » Adding metal causes specially-designed Si/Silicate matrix, and the matrix prevents further efficiency loss during initial cycle.
- » Substance patents are secured: **IP free**

DMSO Technology for Increasing I.C.E of Silicon Materials

