PERFORMANCE ADDITIVES FOR LITHIUM-ION BATTERIES

CABOT

LITX™ PRODUCT SELECTION GUIDE

MATERIAL CATEGORY	PRODUCT PERFORMANCE REQUIREMENTS	APPLICATIONS	CABOT CARBON ADDITIVES	POWER	ENERGY	CYCLE LIFE	ADDITIONAL INFORMATION
HIGH POWER ADDITIVES	Power and conductivity are priorities	◆ HEV, PHEV ◆ Tablets and smart phones ◆ Power tools	**LITX 200**				◆ High conductivity ◆ Balances electronic and ionic conductivity ◆ Requires less solvent ◆ Improves adhesion ◆ Good stability at higher voltages
MULTIPURPOSE ADDITIVES	Performance and cost requirements must be balanced	◆ HEV, EV, PHEV ◆ Electronics ◆ Power tools	**LITX 50**				◆ Good conductivity ◆ Easy to handle and disperse ◆ Requires less solvent ◆ Good stability at higher voltages

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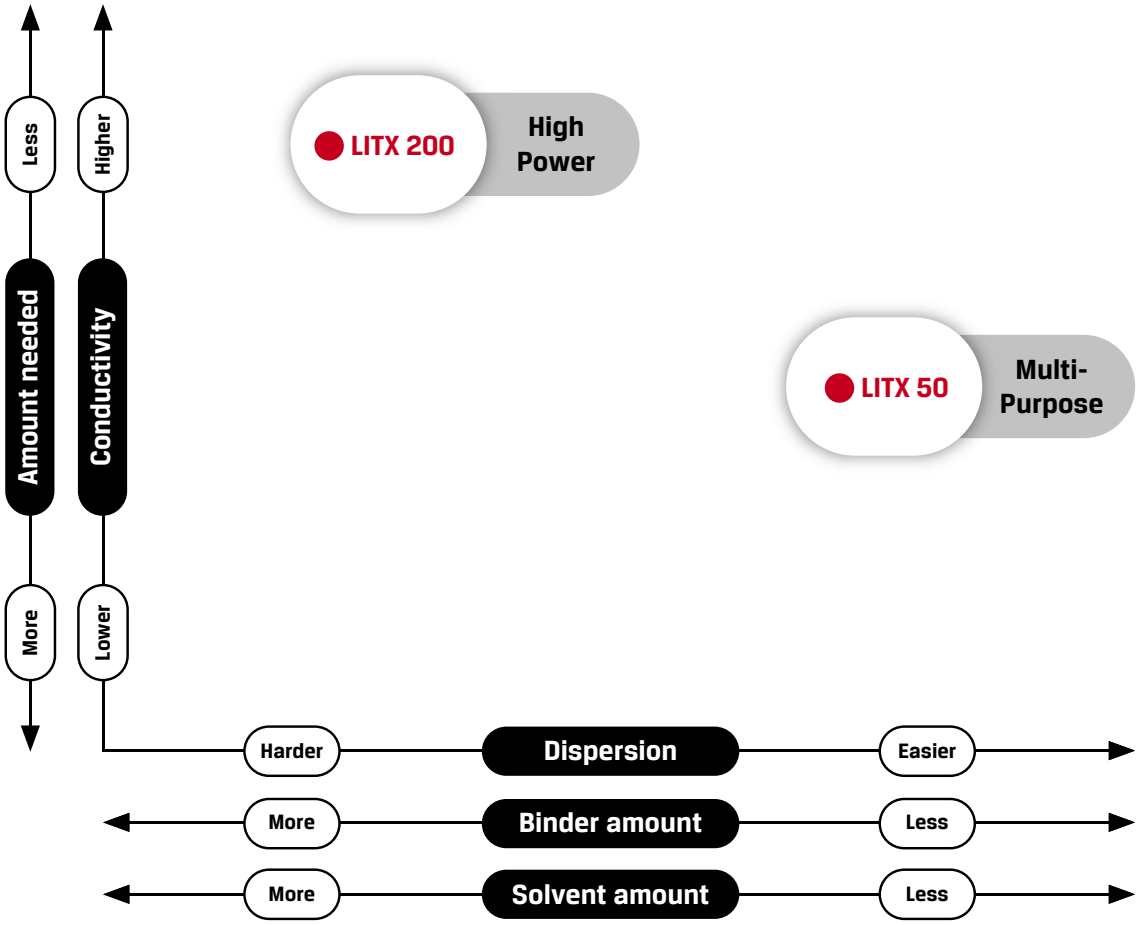

Performance in Lithium-ion Batteries

- Conductive additives improve electrode conductivity.
- For superior power like HEV and power tools, consider LITX 200 carbon additive.
- For superior energy density, consider graphene product LITX G700 additive.
- For balance between power, energy and cycle life, consider multi-purpose products such as LITX 50 carbon additive.

Ease of Use

- Cabot offers products that provide balance between conductivity, ease of processing, electrode adhesion, and mechanical properties.

Cabot can provide assistance on techniques for the dispersion and incorporation of LITX carbon additives in electrode pastes.

For more information contact: **battery.materials@cabotcorp.com** or visit: **cabotcorp.com/batteries**