


Our solution for short-term temperature spikes:

Latent Heat Carbon

Latent Heat Carbon is our novel approach to latent heat storage systems. It combines the heat dissipation properties of graphite with the heat storage capability of phase change materials.

Challenges:	SCHUNK Solutions:
<p>Charging Infrastructure:</p> <ul style="list-style-type: none"> → Transient peak temperatures (e.g. due to fast charging) → Short-term temperature spikes → Limited space for thermal management <p>Batteries:</p> <ul style="list-style-type: none"> → Transient peak temperatures (e.g. due to fast charging) → Non-uniform cell balancing → Limited charging/discharging cycles <p>... and many more.</p>	<p>Charging Infrastructure:</p> <ul style="list-style-type: none"> → Components for temporary energy storage → Housings/encapsulation of thermally sensitive components <p>Battery Thermal Management:</p> <ul style="list-style-type: none"> → Tab cooling of pouch cells → Spacers between pouch or prismatic cells → Housing/encapsulation of cylindrical cells → Terminal Cooling of cylindrical cells
<p>Benefits for our customers:</p> <p>Effective energy storage in transient and pulsed systems:</p> <ul style="list-style-type: none"> → Customized energy storage systems → Rapid response time due to graphite's high thermal conductivity → High thermal capacity → Tailored application temperatures → Lightweight design solutions 	

For further information, please contact our expert:

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