


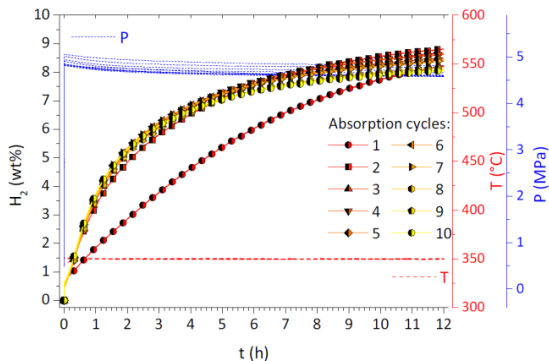
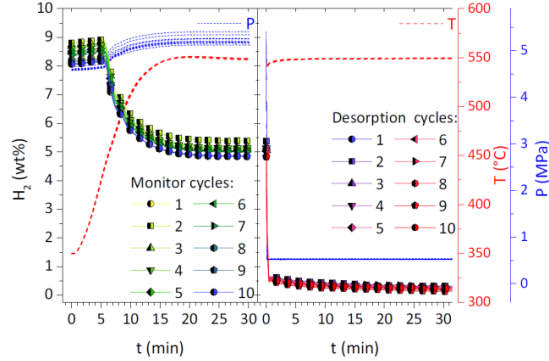
H2-tank system B4S-SM

BOR4STORE

boron hydride • single module • solid state

for a fast, reliable and high capacity solid state hydrogen storage future

Novel, optimised and cost-effective boron hydride based H₂ storage materials (reactive hydride composite: 2LiH + MgB₂) at superior performance (capacity > 8 wt.% and 80 kg H₂/m³) for specific fuel cell applications (e.g. SOFC).

	<p>at a glance:</p> <ul style="list-style-type: none"> • H₂-capacity: 40-50 g • volume: 712 cm³ • weight: 25,5 kg
<p>BOR4STORE - single module tank system</p>	
	
<p>typical absorption cycles</p>	<p>typical desorption cycles</p>
<p>features:</p> <ul style="list-style-type: none"> • novel boron hydride based materials and composites • accelerate reaction kinetics and adjust reaction temp. appropriately to supply a SOFC • enhance the cycling stability of the materials to several 1000 cycles • electrical heating, electrical control and surveillance 	
<p>operating parameters:</p> <ul style="list-style-type: none"> • pressure: 3-100 bar • temperature: max. 650°C • charging pressure: 50-60 bar • charging temperature: max. 350°C • design pressure: 325 bar 	
<p>TÜV-approval (2016-03)</p>	<p>price: on request</p>

technical data subject to alterations