

Li-Ion Battery

Vacuum Fixation Technology



Standardized battery
2-layer design



**PROTECTED
TECHNOLOGY**



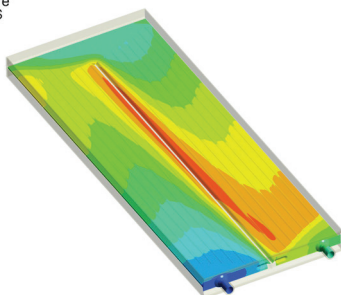
OBRIST Powertrain batteries for PHEV and BEV applications are designed to fulfill customer expectations mostly related to increased specific energy and reduced costs.

The water-cooled version of the inhouse developed Li-Ion battery with vacuum fixation technology offers the same benefits as its air-cooled counterpart. Additionally, it requires less installation space and profits from higher energy density in the water-glycol cooling fluid compared to air - only at a slightly higher price point. Both our current HyperHybrid prototype and its predecessor operate on water-cooled battery technology.

Technical Data

- Energy: 17.3kWh (100s16p)
- Nominal voltage: 360VDC (420V-240V)
- Continuous charge power: 26kW
- Continuous discharge power: 110kW (200kW pulse)
- Battery dimensions: 159 x 348 x 1005 mm (w/o BDU 899 mm)
- Battery weight: 97,6 kg (w/o BDU 92,2kg)

temperature
empWaterS
23.00
22.70
22.40
22.10
21.80
21.50
21.20
20.90
20.60
20.30
20.00
C]



**Best in Class ΔT
<3K @ 4C continuous
discharge rate**

Module energy densities: 196Wh/kg, 413Wh/l
Battery pack (module + customized electronic box): 177Wh/kg