



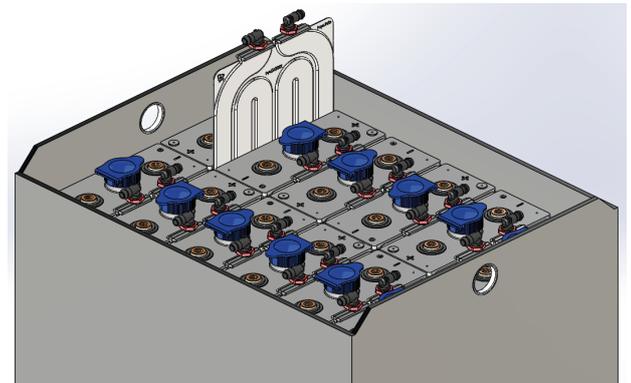
PI 02/2020

HSYS Battery Care

application area: traction battery for industrial trucks

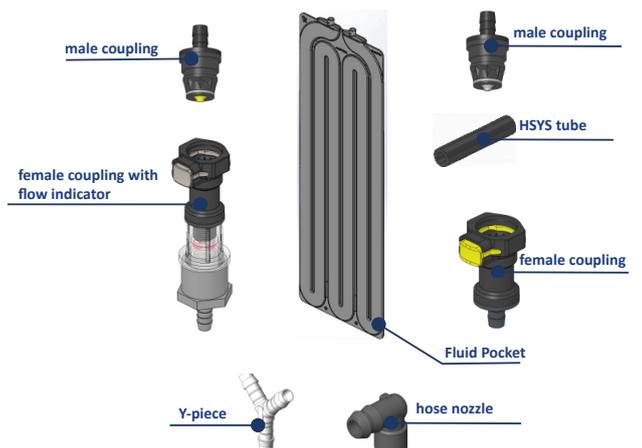
battery voltage: 96V, 80V, 48V, 24V
cooling capacity: 3,3 kW
battery type: PzS, PzB, PzV

purpose: controlled targeted tempering of battery during charging process



Made in Germany

HSYS battery care equipment: a complete system in just few steps



HSYS battery care: options

Premium Connect

- cooling
- heating unit
- no condensate formation due to temperature tracking
- wireless PC/mobile interface to monitoring of tempering process

Premium

- cooling
- heating unit
- no condensate formation due to temperature tracking

Classic

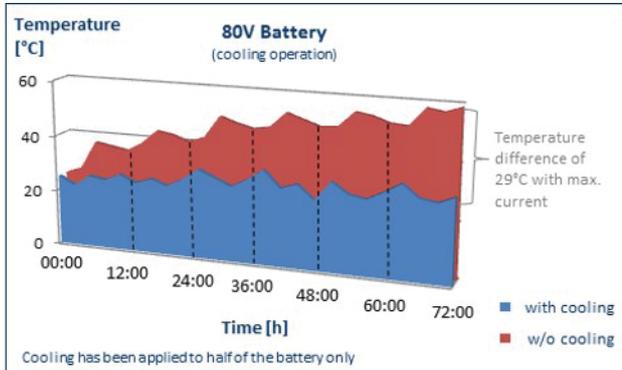
- cooling
- no condensate formation due to temperature tracking

Our company is certified according to DIN EN ISO 9001.

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HSYS battery care: temperature overview temperature



charging of a 80V battery *with and w/o* HSYS battery care

- continuous battery temperature of 28°C
- temperature difference of 29°C related to performance w and w/o cooling during charging process with max. current. Image1

Result:

Life extension of a battery!

Important:

- higher temperature reduces lifetime of a battery.
- lower temperature reduces the available capacity.

To avoid listed issues battery should be kept at a 'comfort temperature'

Advantages of battery care

→ Cost-effective

- life extension by approx. 2 years due to controlled tempering process
- re-use of units and production made from recycling material
- system can be installed in another battery after the battery has expired.

→ Simplicity:

- compact system design
- simple operation and handling
- simple assembly (additional equipment not required)
- system can be applied to batteries already in use

→ Safety

- robust Design
- components are protected against mechanical impact, kink, vibration
- High damping feature due to flexible connector interface

→ Compatibility

- different Fluid Pockets lengths enable compatibility with other battery types
- applicable for different battery sizes
- convertible to British Standard and Lithium Ion dimensions

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