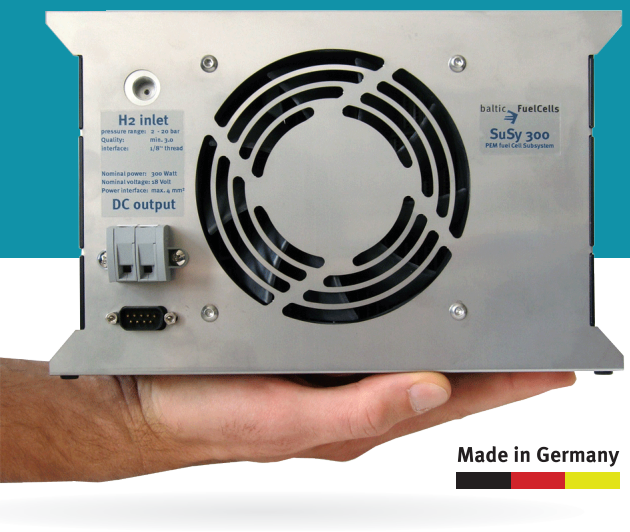
SUSY
FUEL CELL SUBSYSTEM

www.susy-power.com



The just-plug-in fuel cell:
easy integration - highest performance!

portable mobile stationary

‹ 3 seconds up to 500 W

easy installation (for OEMs)

scalable power output (500 W → ∞)

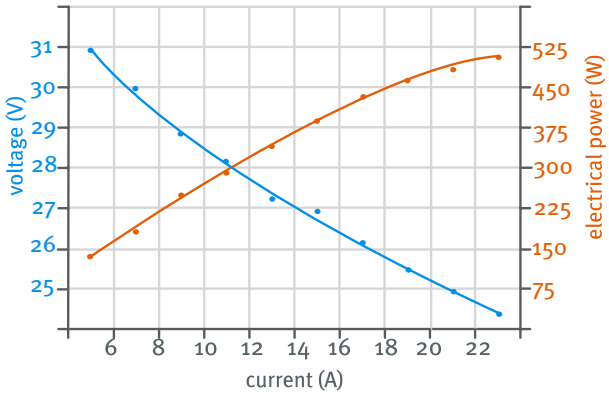
SuSy500 - PEM fuel cell subsystem

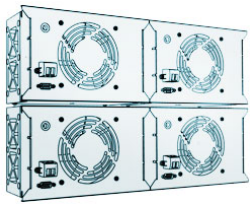
The SuSy500 subsystem is an innovative step towards commercialisation of fuel cell technologies. Its integrated peripheral components and primary control system allow easy installation without expert knowledge. SuSy500 is the best solution to save time and money when developing and manufacturing fuel cell based applications - ready for mass markets.

Technical data SuSy500

Order-Nr.: 12500

technology	PEM fuel cell module with integrated peripheral components
operation power	24-32 V DC
electrical output	450 W nominal/ 500 W peak
current	18 A at nominal power
efficiency	~ 45 % at 500 W
dimensions (length x width x height)	244 mm x 155 mm x 180 mm
weight	~ 3.9 kg
fuel supply	hydrogen 3.0
pressure range (fuel)	2-20 bar (internal reduction)
start-up time	‹ 3 sec
integrated safety	H2 pressure & temperature sensor
H2-inlet	G 1/8“ inside thread
electr. power connector	4 mm² screw terminal
controller interface	SUB-D9 (RS232)

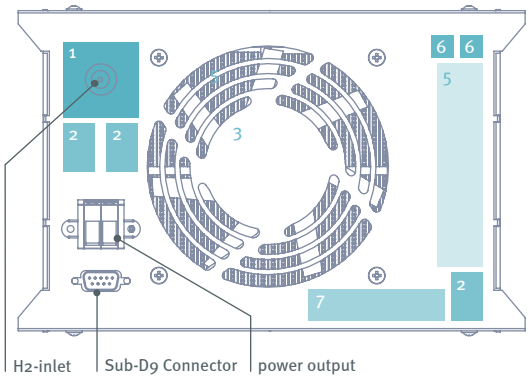




Scalable power output:
Combine multiple SuSy500 subsystems to scale up electrical power. The modules are easy to connect, each subsystem keeps its independent operation but can also be connected to a higher energy management system.

Integration of basic peripheral components

The ideal solution for a time- and cost-efficient product development for fuel cell-based applications.
Simply connect and run.



Hydrogen supply:
- pressure regulator 1
- shut off/safety valves 2

Air supply/Cooling:
- blower/fan 3
- air filter 4

Electronics:
- control circuits 5
- sensors 6
- internal accumulator 7

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