

H-Convert

Your Needs.

Our Design.

Tailored Premium Products.

We are not just a supplier.

We are your development partner.

Our custom power electronics solutions are built around your needs, from first concept to final product.



Design and develop **fully tailored power electronic solutions** from converter to integrated systems - with total control over the entire power electronics value chain, ensuring quality and innovation at every step.



High Performance & Reliability.

Our products are **engineered to meet demanding industrial standards**, with proven stability even in the most challenging environments.



Flexible & Modular Approach.

Agile development - our **modular and scalable design process** is shaped around your technical and operational needs.

APPLICATION SCENARIOS

- ✓ AC/DC low ripple power supply
- ✓ H₂ production with electrolyzers
- ✓ Fuel Cell power generation
- ✓ Electro-chlorination systems

KEY FACTS

- ✓ Fully featured Cabinet
- ✓ Power range up to 6MW
- ✓ Modular main parts
- ✓ Harsh environment ready
- ✓ IEC compliant

Address

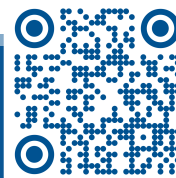
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CONFIGURATION TYPE

IGBT	AFE AFE + DC/DC
SCR	6, 12, 18, 24 pulses
HYBRID	DIODE + DC/DC

INPUT ELECTRICAL DATA

Input Frequency	50 60 Hz
Input Voltage	From 200 to 900 V
Auxiliary Voltage	400 V
Power factor	> 0,99
THDi	< 2% or configurable on specific needs

OUTPUT ELECTRICAL DATA

Power	Up to 6 MW
Voltage Range	Up to 1500 V
Max. Current	Up to 20 kA and more according to your requirements
Current Ripple	<3% or configurable based on specific needs
Max. Efficiency	98,6% (IGBT) and 99% (SCR)

CONTROLS

Voltage & Current	Digital voltage and current regulation
Communication	Modbus TCP-IP / Profinet / Ethernet IP

ENVIRONMENTAL CONDITIONS

Installation	Outdoor Indoor
Operational	-20°C to +55°C
Humidity	< 95%
Altitude	Up to 2000 m
IP rating	Up to IP55
Cooling	Air or water

