

R&W TECH MF inverter control units

Technical specifications

R&W TECH · AKWA Technic Water-cooled high-current inverter: 1,800-3,000 A per module, up to 12,000 A in Master-Slave.

Product features

- Water-cooled high-current inverter: 1,800-3,000 A per module, up to 12,000 A in Master-Slave.
- High-current system: 1-10 kHz; 1,800-3,000 A per module. Master-Slave: up to 4 modules and 12,000 A primary current.
- Programs and control: 500 programs and 8 transformers; IK, VK, PK, ENE, FIX and Automatic modes. Parameters can change without stopping production.
- Production integration: Direct control of up to 4 nut feeders and DOCERAM® ModulMaster integration.
- Operator interface: 7-inch colour resistive touch display with NFC TAG authentication.
- Data and connectivity: Web management and DMS connection, weld-point database export and consultation, error history; four fieldbus options.



Product image

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Optional equipment

- NI000001 · HMS Profinet interface
- NI000002 · HMS EtherCAT interface
- NI000003 · HMS Ethernet/IP interface
- NI000004 · HMS Modbus TCP interface
- PS000001 · Linear position sensor: 150 mm stroke, 0.002 mm resolution
- CS000001 · Secondary current transducer
- HMI-724CG1 · Panel-mount operator interface

MF-RWC-5000

Values vary by model and application.

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Single-module primary current	1 800-3 000 A
Master-Slave modules (maximum)	4
Master-Slave primary current (maximum)	12 000 A
Cooling	Water cooled
Operating frequency	1-10 kHz
Operating modes	IK · VK · PK · ENE · FIX · Automatic
Program memories	500
Transformer management	8
Proportional valves	2 + 1
Double-channel pneumatic valves	4 + 2
Additional analogue inputs	3
Nut feeder control	4
Fieldbus	Profinet · EtherCAT · Ethernet/IP · Modbus TCP
DOCERAM® ModulMaster	✓