

Energy for magnets

Impulse Magnetizers

■ M-Pulse series

Energy

- Magnetization of NdFeB, SmCo, Ferrite, AlNiCo
- Capacitor discharge principle
- strong and low inductive setup

Convenience

- Easy usage by Touch Screen Monitor
- Clear and descriptive functions
- Diagnose functions

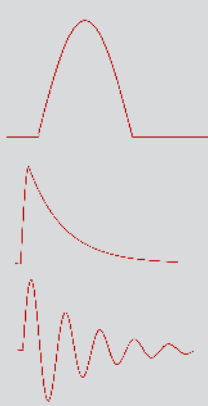
Flexibility

- Modular design; scalable up to any extend
- 100J to 200000J
- Extendable PLC control, scalable up to any extend



we make your products attractive

Technical Data:

· Selectable voltage standards:	5000V, 3000V, 2000V, 1400V, 1000V, 700V, 450V
· Selectable current capability	<50kA, <25kA, 10kA
· Current rise:	<2000A/μm, <1000A/μs, <500A/μs
· Current shape:	 <p>Sine halfwave used for magnetization of non conductive assemblies</p> <p>Exponential damped used for magnetization of conductive assemblies</p> <p>Ringing Used for demagnetisation</p>
· # of high current outputs selectable:	1 – 10 pcs.
· High current output impedance:	1mΩ .. 2mΩ 500nH .. 2μH dependant on energy
· Selectable charging power:	200W, 300W, 600W, 1800W, 3600W
· Cycle time	= energy / charging power

Control

· PLC	Siemens S7-1200 or others
· HMI	Touchpanel
· Interfaces:	PLC, other interfaces available

Safety features:

- Triple redundant voltage control
- Evaluation of magnetizing current
- Evaluation of coil resistance
- Over temperature detection of coil and magnetizer
- Internal safety discharge in case of: Power off, Open door, Emergency stop