

DC Resistance Welding Machine

RSM-RWM-8000

Feature

- ▶ The medium-frequency transformer is significantly smaller in size while delivering higher efficiency, resulting in approximately 30% energy savings.
- ▶ Inverter system is immune to power supply fluctuations to ensure the stable welding process.
- ▶ Stable current control minimizes spatter during resistance welding. Suitable for welding of aluminum, copper, stainless steel, and more.
- ▶ The system supports both parameter entry and graphical waveform input, allowing users to create complex resistance welding current waveforms.
- ▶ Precision Digital Control. Fine-tune welding time down to the millisecond for ultimate process control and higher throughput.
- ▶ Proprietary IGBT control ensures real-time monitoring, diagnosis, and protection, keeping the power switch within safe limits for ultimate reliability.



Specification

Model	RSM-RWM-8000
Maximum Welding Current	8000A
Control Frequency	10KHZ
Control Mode	Constant current, constant voltage, constant power
Weld Spot Length①	3-4mm
Wire Size①	O.D. 0.3-2.0mm (1-4mm ²) (U-groove welding tip depends on wire size)
Tab/Copper Thickness①	0.1-1mm
Weld Spot Length②	5-6mm
Wire Size②	O.D. 0.3-1.5mm (1-3mm ²) (U-groove welding tip depends on wire size)
Tab/Copper Thickness②	0.1-0.5mm
Apparent Power	80KVA
Output Setting Range	Current 50-8000A
Welding Time Range	0-1000ms
Current Control	AC380V 50/60HZ (5-Wire, 3-Phase)
Welding Pulse	3 pulses
Weight	16.5KG
Dimension	L440mm×W235mm×H320mm
MF Transformer Weight	35KG
MF Transformer Dimension	L350mm×W235mm×H238mm