

A7 Power Source 450



OVERVIEW

A7 MIG Welder 350 and 450 are welding power sources designed for demanding professional use in robotic welding systems. They are suitable for synergic pulsed MIG/MAG, synergic 1-MIG and basic MIG/MAG welding, as well as the modified WiseRoot+™ and WiseThin+™ processes. The robot interface unit on top of the power source handles the communication with a robot and contains all necessary connections to integrate with a welding cell. The unit has an internal web server for easy control of welding and setup parameters via any device equipped with an internet browser including robot teach pendants.

TECHNICAL SPECIFICATIONS

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Product code	6201450
Connection voltage 1~ 50/60 Hz	N/A
Connection voltage 3~ 50/60 Hz	400 V, -15 %...+20 %
Fuse (delayed)	35 A
Minimum generator power	35 kVA
Welding range	20 A / 12 V - 450 A / 46 V
Output 60% ED	450 A
Output 100% ED	350 A
Mains connection cable	4G6 (5 m)
Supply current (maximum)	32 A
Supply current (effective)	25 A
Idle power	25 W
Power factor at max. current	0.88
No-load voltage (peak)	U ₀ = 80 V - 98 V
Open circuit voltage (average)	85 V -103 V
Efficiency (100 % duty cycle)	87 %

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Minimum short circuit power Ssc of supply network	5.5 MVA
Max apparent power	22 kVA
Power supply for cooling unit	24 V DC / 50 VA
Power supply for auxiliary unit	50 V DC / 100 W
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	610 × 240 × 520 mm
Weight (no accessories)	40.2 kg
Degree of protection	IP23S
Weight (with connection cable)	42.6 kg
EMC class	A
Storage temperature range	-40 ... +60 °C
Temperature class	155 (F)