

X5 Power Source 500

X5 Power Source 500		
Feature		Value
Mains connection voltage		380...460 V $\pm 10\%$
Mains connection phases		3~50/60 Hz
Mains connection cable type		H07RN-F
Mains connection cable size		6 mm ²
Rated maximum input power [$S_{1\max}$]		27 kVA
Mains fuse		32 A
Idle state power consumption [P_{idle}]		30 W
No-load state power consumption (MMA), power save		30 W
No-load state power consumption (MMA), fans ON		195 W
No-load voltage [U_0]		59...75 V
Open circuit voltage [U_{av}]		59...75 V
Effective supply current [I_{eff}]		31...27 A
Maximum supply current [$I_{1\max}$]		38...33 A
Output at +40 °C, 60% MIG		500 A
Output at +40 °C, 100% MIG		430 A
Output range, MIG welding current/voltage		15 A / 10 V ... 500 A / 47 V
Output range, TIG welding current/voltage		15 A / 1 V ... 500 A / 47 V
Output range, MMA welding current/voltage		15 A / 10 V ... 500 A / 47 V
Voltage adjustment range (MIG)		8...50 V
Power factor at rated maximum current	λ	0.88
Efficiency at rated maximum current	η	90 %
Minimum short-circuit power of supply network [S_{SC}]		6.4 MVA
Voltage supply for auxiliary devices		12 V, 48 V
Voltage supply for cooling unit		24 V, 380...460 V
Wired communication type		CAN bus
Operating temperature range		-20...40 °C
Storage temperature range		-40...60 °C
Recommended minimum generator power [S_{gen}]		35 kVA
EMC class		A
Degree of protection		IP23S
External dimensions	$L \times W \times H$	750 x 263 x 456 mm
Weight without accessories		39.5 kg
Standards		IEC 60974-1, -10

X5 Power Source 500 Pulse

X5 Power Source 500 Pulse		
Feature		Value
Mains connection voltage		380...460 V $\pm 10\%$
Mains connection phases		3~50/60 Hz
Mains connection cable type		H07RN-F
Mains connection cable size		6 mm ²
Rated maximum input power [$S_{1\max}$]		27 kVA
Mains fuse		32 A
Idle state power consumption [P_{idle}]		31 W
No-load state power consumption (MMA), power save		32 W
No-load state power consumption (MMA), fans ON		240 W
No-load voltage [U_0]		76...94 V
Open circuit voltage [U_{av}]		76...94 V
Effective supply current [I_{eff}]		30...27 A
Maximum supply current [$I_{1\max}$]		39...34 A
Output at +40 °C, 60% MIG		500 A
Output at +40 °C, 100% MIG		400 A
Output range, MIG welding current/voltage		15 A / 10 V ... 500 A / 50 V
Output range, TIG welding current/voltage		15 A / 1 V ... 500 A / 50 V
Output range, MMA welding current/voltage		15 A / 10 V ... 500 A / 50 V
Voltage adjustment range (MIG)		8...50 V
Power factor at rated maximum current	λ	0.89
Efficiency at rated maximum current	η	89 %
Minimum short-circuit power of supply network [S_{SC}]		6.7 MVA
Voltage supply for auxiliary devices		12 V, 48 V
Voltage supply for cooling unit		24 V, 380...460 V
Wired communication type		CAN bus
Operating temperature range		-20...40 °C
Storage temperature range		-40...60 °C
Recommended minimum generator power [S_{gen}]		35 kVA
EMC class		A
Degree of protection		IP23S
External dimensions	$L \times W \times H$	750 x 263 x 456 mm
Weight without accessories		39.5 kg
Standards		IEC 60974-1, -10

X5 Power Source 500 Pulse+

X5 Power Source 500 Pulse+		
Feature		Value
Mains connection voltage		380...460 V $\pm 10\%$
Mains connection phases		3~50/60 Hz
Mains connection cable type		H07RN-F
Mains connection cable size		6 mm ²
Rated maximum input power [S_{1max}]		27 kVA
Mains fuse		32 A
Idle state power consumption [P_{idle}]		33 W
No-load state power consumption (MMA), power save		34 W
No-load state power consumption (MMA), fans ON		240 W
No-load voltage [U_0]		76...94 V
Open circuit voltage [U_{av}]		76...94 V
Effective supply current [I_{1eff}]		30...27 A
Maximum supply current [I_{1max}]		39...34 A
Output at +40 °C, 60% MIG		500 A
Output at +40 °C, 100% MIG		400 A
Output range, MIG welding current/voltage		15 A / 10 V ... 500 A / 50 V
Output range, TIG welding current/voltage		15 A / 1 V ... 500 A / 50 V
Output range, MMA welding current/voltage		15 A / 10 V ... 500 A / 50 V
Voltage adjustment range (MIG)		8...50 V
Power factor at rated maximum current	λ	0.89
Efficiency at rated maximum current	η	88 %
Minimum short-circuit power of supply network [S_{SC}]		6.7 MVA
Voltage supply for auxiliary devices		12 V, 48 V
Voltage supply for cooling unit		24 V, 380...460 V
Wired communication type		CAN bus
Operating temperature range		-20...40 °C
Storage temperature range		-40...60 °C
Recommended minimum generator power [S_{gen}]		35 kVA
EMC class		A
Degree of protection		IP23S
External dimensions	$L \times W \times H$	750 x 263 x 456 mm
Weight without accessories		39.5 kg
Standards		IEC 60974-1, -10