

# Master S 400/500

True welding quality and efficiency for budget price



Energy efficient

CE



- Powerful
- Compact
- Portable
- Reliable
- Easy to use

## Special technology features

- **Hot start** and **arc force** adjustment for optimised starts and arc control with alternative electrode types, guaranteeing flawless and stable weld pool control every time.
- **Antifreeze** cuts off the power and protects the electrode if sticking occurs during welding
- **Contact ignition** (Lift TIG) in DC TIG
- **Arc gouging**
- **Parent power supply CC/CV** for Kemppee voltage-sensing wire feed systems and in-line TIG solutions.

## A master of sites

**Master S series MMA power sources are designed for high-performance professional welding. They offer a compact, robust and portable MMA power source with optimum energy efficiency. It is a perfect partner for heavy-duty welding work where the ease of use, reliability and durability are paramount.**

- Powerful and portable MMA power source for professional workshop and site use
- Models available for all electrode types, including cellulosic electrodes
- Efficient output at 400/500 A 60% ED
- Robust structure for heavy-duty site use

Master S series are all about ease-of-use and performance. The powerful 400 or 500 amp power source provides great welding results with pleasurable welding experience. Mains and generator powered with wide voltage network tolerance. Integrated Voltage Reduction Device (VRD) increases safety at work. All this and more in a compact and lightweight design to make transportation and site management easy.

## Technical data

Master		S 400	S 500
Connection voltage	3~50/60 Hz	380 – 440 V (-10 %...+10 %)	380 – 440 V (-10 %...+10 %)
Rated power at max. current	60 % ED	20 kVA	26 kVA
Fuse (delayed)		25 A	35 A
Output at 40 °C MMA	60 % ED	400 A / 36 V	500 A / 40 V
	100 % ED	310 A / 32.4 V	390 A / 35.6 V
Output at 40 °C TIG	60 % ED	400 A / 26 V	500 A / 30 V
	100 % ED	310 A / 22.4 V	390 A / 25.6 V
Max. welding voltage		400 A / 48 V	500 A / 46V
Open circuit voltage		55 – 65 V	55 – 65 V
Stick electrodes		ø 1.6...6.0 mm	ø 1.6...7.0 mm
Welding current control		stepless	stepless
Power factor at 100 %		0.90	0.90
Efficiency at 100 %		0.89	0.89
Degree of protection		IP23S	IP23S
Operating temperature range		-20...+50 °C	-20...+50 °C
EMC class		A	A
External dimensions	L x W x H	570 x 270 x 340 mm	570 x 270 x 340 mm
Weight (without cables)		20.5 kg	23.5 kg

## Ordering information

Master S		
Master S 400		6321400
Master S 500		6321500
Master S 400 Cel	including cellulose welding characteristic	632140001
Master S 500 Cel	including cellulose welding characteristic	632150001
Master S 500 offshore	For extreme conditions	6321500C1
Welding cable	50 mm <sup>2</sup> , 5 m	6184501
	50 mm <sup>2</sup> , 10 m	6184502
	70 mm <sup>2</sup> , 5 m	6184701
	70 mm <sup>2</sup> , 10 m	6184702
Earth cable	50 mm <sup>2</sup> , 5 m	6184511
	50 mm <sup>2</sup> , 10 m	6184512
	70 mm <sup>2</sup> , 5 m	6184711
	70 mm <sup>2</sup> , 10 m	6184712
R10 Remote control	5m	6185409
	10m	618540901
R11-T Wireless remote control		6185442
Slide bars		SP007023



User-friendly interface



R10



R11-T wireless remote control units can be used simply by touching the electrode