

# Master S

POWERFUL, EFFICIENT, VALUE



## Master S



### POWERFUL, EFFICIENT, VALUE

Master S series MMA power sources are designed for high-performance professional welding, offering compact, robust and portable MMA power solutions with optimum energy efficiency. A perfect partner for heavy-duty MMA welding where the ease of use, reliability and durability are paramount.

The powerful 400 or 500 amp power sources provide reliable welding results with efficient ignition. Suitable for use with a wide voltage network, Master S also integrates Voltage Reduction Device (VRD) for increased safety at work.



## KEY BENEFITS



### EXTRA UTILITY

Use for high energy Stick (MMA), plus basic DC TIG or even MIG/MAG (when connected to ArcFeed)



### LESS IS MORE

Compact and light in weight, and still offering quality welding and efficiency



### REMOTE CONTROL OPTION

When connected with a suitable Kemppi remote control, you can adjust the welding current at distance

---

## BENEFITS

- 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 Kemppi voltage-sensing wire feed systems and in-line TIG solutions.
- Including cellulose welding characteristics



## PRODUCT OPTIONS



### Master S 400

Master S 400 is designed for high-performance Stick (MMA) welding. 400 A power source including cellulose welding characteristics provides great welding results with pleasurable welding experience.



### Master S 500

Master S 500 is designed for high-performance Stick (MMA) welding. 500 A power source including cellulose welding characteristics provides great welding results with pleasurable welding experience.



### Master S 500 Offshore

Master S 500 Offshore has anti-corrosion protection and is designed for high-performance Stick (MMA) welding for extreme conditions. 500 A power source including cellulose welding characteristics provides great welding results with pleasurable welding experience. This welder also comes with integrated VRD that will increase safety at work.



### Master S 400 AU

Master S 400 AU is designed for high-performance Stick (MMA) welding. In Australian and New Zealand models VRD is always active and complies with AS/NZS standards and mining regulations. VRD has reliable Fail to Safe functionality.



### Master S 500 AU

Master S 500 AU is designed for high-performance Stick (MMA) welding. In Australian and New Zealand models VRD is always active and complies with AS/NZS standards and mining regulations. VRD has reliable Fail to Safe functionality.



## ACCESSORIES



Welding cable 5 m 50 mm<sup>2</sup>



Earth return cable 10 m, 50 mm<sup>2</sup>



Earth return cable 5 m, 70 mm<sup>2</sup>



Earth return cable 10 m, 70 mm<sup>2</sup>



Remote control R10

Suitable for use with Kemppi MIG, TIG, and stick (MMA) welding equipment. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



Remote control R11T

Suitable for use with Kemppi MasterTig MLS, Master MLS, and Master S welding equipment.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



Slide bars



Electrode holders



## TECHNICAL SPECIFICATIONS

### Master S 400

Product code	632140001
Connection voltage 3~ 50/60 Hz	380 - 440 V $\pm$ 10%
Fuse (delayed)	25 A
Open circuit voltage in VRD mode	< 35 V
Output (TIG) 60% ED	400 A/26.0 V
Output (TIG) 100% ED	310 A/22.4 V
Output (MMA) 60% ED	400 A/36.0 V
Output (MMA) 100% ED	310 A/32.4 V
Open circuit voltage	80 – 95V
Stick electrode sizes	1.6...6.0 mm
Operating temperature range	-20...+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	20.5 kg
Degree of protection	IP23S

### Master S 500

Product code	632150001
Connection voltage 3~ 50/60 Hz	380 - 440 V $\pm$ 10%
Fuse (delayed)	35 A
Open circuit voltage in VRD mode	< 35 V
Output (TIG) 60% ED	500 A/30.0 V
Output (TIG) 100% ED	390 A/25.6 V
Output (MMA) 60% ED	500 A/40.0 V
Output (MMA) 100% ED	390 A/35.6 V
Open circuit voltage	80 – 95 V
Stick electrode sizes	1.6...7.0 mm
Operating temperature range	-20...+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	23.5 kg
Degree of protection	IP23S



## Master S 500 Offshore

Product code	632150001C1
Connection voltage 3~ 50/60 Hz	380 - 440 V $\pm$ 10%
Fuse (delayed)	35 A
Open circuit voltage in VRD mode	< 35V
Output (TIG) 60% ED	500 A/30.0 V
Output (TIG) 100% ED	390 A/25.6 V
Output (MMA) 60% ED	500 A/40.0 V
Output (MMA) 100% ED	390 A/35.6 V
Open circuit voltage	55 - 65 V
Stick electrode sizes	1.6...7.0 mm
Operating temperature range	-20...+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	23.5 kg
Degree of protection	IP23S

## Master S 400 AU

Product code	6321400AU
Connection voltage 3~ 50/60 Hz	380 - 440 V $\pm$ 10%
Fuse (delayed)	25 A
Open circuit voltage in VRD mode	< 35V
Output (TIG) 60% ED	400 A/26.0 V
Output (TIG) 100% ED	310 A/22.4 V
Output (MMA) 60% ED	400 A/36.0 V
Output (MMA) 100% ED	310 A/32.4 V
Stick electrode sizes	1.6...6.0 mm
Operating temperature range	-20...+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	20.5 kg
Degree of protection	IP23S

## Master S 500 AU

Product code	6321500AU
Connection voltage 3~ 50/60 Hz	380 - 440 V $\pm$ 10%
Fuse (delayed)	35 A
Open circuit voltage in VRD mode	< 35V
Output (TIG) 60% ED	500 A/30 V
Output (TIG) 100% ED	390 A/25.6 V
Output (MMA) 60% ED	500 A/40 V
Output (MMA) 100% ED	390 A/35.6 V
Stick electrode sizes	1.6...6.0 mm
Operating temperature range	-20...+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	23.5 kg
Degree of protection	IP23S





[WWW.KEMPPI.COM](http://WWW.KEMPPI.COM)

---

**Kemppi** is the pioneering company within the welding industry. It is our role to develop solutions that make you win business. Headquartered in Lahti, Finland, Kemppi employs over 800 welding experts in 17 countries and has a revenue of more than 150 MEUR. Our offering includes welding solutions - intelligent equipment, welding management software and expert services - for both demanding industrial applications and ready-to-weld needs. Local expertise is available via our global partner network covering over 60 countries.

