

# Renegade ES 300i

Portability is paramount.  
But so is power.



Renegade ES 300i is an inverter based MMA/Stick and LiveTIG machine with extreme power to weight ratio. The compact format makes it easy to carry and bring to any jobsite. Combined with high duty cycle and the ability to run the machine on long mains and welding cable makes this a superior welding machine for both on- and off site applications.

The machine has an automatic input voltage sensor and can operate with any input voltage between 230 V and 480 V 3-phase.

- Extreme power to weight ratio in a most compact format. Rugged composite casing for durability in the roughest environments
- For professional MMA welding with electrodes up to 6 mm with a high duty cycle of 300 A at 40%. Ideal for operation in high ambient temperatures
- The machine automatically adjusts to optimal start and stop parameters based on the set current
- A powerful voltage booster provide additional arc voltage for superior cellulosic weld performance
- 3 memory settings for easy and quick access to welding parameters

## Industry

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- Pipe Construction
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- Mining
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*Intuitive panel with light background  
easy to read in dark environments*

When choosing a top-performing welding machine you need top-performing ESAB Filler Metals.  
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| Specifications                                  |  |
|---|--|
| Primary Voltage                                 | 230-480 VAC, 3ph, 50/60 Hz                                 |
| Fuse Slow                                       | 10 A (20 A at 230 V)                                       |
| Energy Save Mode                                | 91 W   |
| Rated kVA                                       | 11,3 kVA   |
| Maximum Output                                  | 300 A  |
| Power Factor at Max Current                     | 0.96   |
| Efficiency at Max Current MMA                   | 89 %   |
| Efficiency at Max Current TIG                   | 85 %   |
| Open Circuit Voltage                            | 48 V   |
| Open Circuit Voltage VRD                        | 32 V   |
| MMA Welding Output 40 %, 60 %, 100 % Duty Cycle | 300 A / 32.0 V, 250 A / 30.0 V, 200 A / 28.0 V             |
| TIG Welding Output 40 %, 60 %, 100 % Duty Cycle | 300 A / 22.0 V, 250 A / 20.0 V, 200 A / 18.0 V             |
| Current Range                                   | 5 – 300 A  |
| Approvals                                       | CE   |
| Application Class                               | S  |
| Protection Class                                | IP23   |
| Mains Cable                                     | 3 m 4×2,5 mm <sup>2</sup> (4×4 mm <sup>2</sup> with 230 V) |
| Supply Plug                                     | CEE 16 A   |
| Dimensions, L x W x H                           | 460 x 200 x 320 mm (18.1x7.9x12.6 in.)                     |
| Weight  | 15 kg (33 lbs)   |

| Ordering Information   |            |
|--|------------|
| Renegade ES 300i incl 3 m mains cable and plug                               | 0445100880 |
| Renegade ES 300i, incl. 3 m mains, shoulder strap, 5 m weld and return cable | 0445250880 |

| Options & Accessories  |            |
|--|------------|
| Shoulder strap   | 0445197880 |
| Electrode holder kit, Handy 300, OKC 50, 3 m                       | 0700006902 |
| Electrode holder kit, Handy 300, OKC 50, 5 m                       | 0700006888 |
| Return cable kit, OKC 50, 3 m                                      | 0700006903 |
| Return cable kit, OKC 50, 5 m                                      | 0700006889 |
| OKC 50 male contact, pack of 4 pcs                                 | 0160360881 |
| ER 1 Remote Control incl. 5 m cable and 6-pin connector            | 0445536881 |
| ER 1 Remote Control incl. 10 m cable and 6-pin connector           | 0445536882 |
| ER 1 Remote Control incl. 25 m cable and 6-pin connector           | 0445536883 |
| ER 1 Remote Control incl. 5 m cable and 4-pin connector *          | 0445536880 |
| 5 m replacement cable with 4-pin connector for ER 1 Remote Control | 0445450880 |

\* 4-pin connector is used for Renegade ES 300i machines with serial number up to 718-xxx-xxx.

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