

# 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

Visit [esab.com](http://esab.com) for more information.

## Industry

- Ship and Offshore Yards
- Civil Construction
- Pipe Construction
- Repair and Maintenance
- Heavy Fabrication
- Industrial and General Fabrication
- Mining
- Steel Erectors



*Intuitive panel with light background  
easy to read in dark environments*

<b>Specifications</b>	
Primary Voltage	230-480 VAC
Number of Phases	3 ph
Supply Frequency	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% Duty Cycle 60% Duty Cycle 100% Duty Cycle	300 A / 32.0 V 250 A / 30.0 V 200 A / 28.0 V
TIG Welding Output 40% Duty Cycle 60% Duty Cycle 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 4x2,5 mm <sup>2</sup> (4x4 mm <sup>2</sup> with 230 V)
Supply Plug	CEE 32 A
Dimensions, Lx W x H	460 x 200 x 320 mm (18.1x7.9x12.6 in.)
Weight	15 kg (33 lbs)

<b>Ordering Information</b>	
Renegade ES 300i incl 3 m mains cable and plug	0445100880

<b>Options &amp; Accessories</b>	
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
EWR 1 Remote Control incl. 5 m cable	0445536880
Remote control cable, 5 m	0445450880
Remote control cable, 10 m	0445451880
Remote control cable, 25 m	0445452880



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