

# Renegade™ ES 300i

## Multi-Voltage, Industrial Stick/TIG machine



A small but stout 33-pound (15 kg) unit, Renegade™ ES 300i is a groundbreaking combination of PORTABILITY and POWER. It has the highest power to weight ratio in its class designed to virtually go anywhere on the job site. Renegade ES 300i handles single- and three-phase power from 208V to 460V automatically, and puts out 5 to 300 Amps. The Renegade ES 300i package includes power supply, 10 ft. (3 m) input cable, shoulder strap and 2 male 50m OKC connectors.

- Highest power to weight ratio in its class weighing in at 33 lbs. (15 kg) and producing 300 A at 40% duty cycle. Combined with its rugged case, Renegade is ideal for the most extreme environments in the industry.
- Small, lightweight system can virtually go anywhere on the jobsite. Its three handle design makes it easy for transportation and maneuvering through manholes and other hard to reach areas.
- Excellent performance on 6010 (cellulosic) electrodes and additional functionality to tailor Arc Force for a softer or crisper arc. With an excellent TIG operational range from 5 to 300 A, you'll have the confidence to tackle a broad range of material thicknesses.
- Intuitive interface – the machine's digital readout display, along with large buttons with excellent feedback and controls, make it easy to set parameters and read them from a distance.
- Cable management – an integrated latch system helps control cables so they can be secured to the machine, making it easy to pack up and go.

### Industry

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



Stinger and ground clamp sold separately. 2 male OKC connectors included.

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



Intuitive panel with light background is easy to read in dark environments.

<b>Specifications</b>	
<b>Rated Output - STICK</b> 40% Duty Cycle 3ph 60% Duty Cycle 3ph 100% Duty Cycle 1ph/3ph	300 A / 30 V 250 A / 30 V 200 A / 28 V
<b>Rated Output - TIG</b> 40% Duty Cycle 60% Duty Cycle 100% Duty Cycle 1ph/3ph	300 A / 20 V 250 A / 20 V 200 A / 18 V
Current Range, 1ph	5 – 200 A
Current Range, 3ph	5 – 300 A
Open Circuit Voltage (VRD)	48 V (32 V)
Rated kVA	11.3 kVA
Input Voltage	230 – 460 VAC 1ph, 3ph +/- 10% 50/60hz
Input Current Draw	10 A, 400 – 460 V / 11 A, 380 V / 20 A, 230 V
Power Factor at Max Current	0.96
Efficiency at Max Current STICK	89%
Efficiency at Max Current TIG	85%
Energy Save Mode	91 W
Input Cable	10 ft. (3 m)
Dimensions, L x W x H	18.1 x 7.9 x 12.6 in. (460 x 200 x 320 mm)
Weight	33 lbs. (15 kg)
Industry standards	CSA, CE
Protection Class	IP23

<b>Ordering Information</b>	
Renegade ES 300i	0445100881
<i>Includes: Renegade ES 300i power supply, shoulder strap, 10 ft. (3 m) input cable, 2 x OKC 50 connectors.</i>	

<b>Options &amp; Accessories</b>	
Electrode Cable T316 15 ft. (5 m) 2/0	0558102319
Work Cable GC-500 15 ft. (5 m) 4/0	0558102318
OKC 50 male cable plug	13733936
ER 1 Remote Control incl. 15 ft. (5 m) cable	0445536880
ER 1 F Remote Foot Control 15 ft. (5 m)	0445550880
26V-12R TIG Torch 12.5 ft. (3.8 m)	Q26V-12R
TIG Torch Adapter	QDA-26R
Remote control cable, 15 ft. (5 m) for ER 1	0445450880
Remote control cable, 30 ft. (10 m) for ER 1	0445450881
Remote control cable, 15 ft. (5 m) for ER 1 F	0445451880
Remote control cable, 30 ft. (10 m) for ER 1 F	0445451881



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