

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 for more information.

Industry

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

Optional remote controls



ER 1 Multi-functional remote with built-in display



MMA 3 Traditional remote for amperage adjustment



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. Learn more at esab.com/fillermetals today.

Specifications	
Primary Voltage 1ph	230 VAC +/- 10%, 50/60 Hz
Primary Voltage 3ph	230-480 VAC +/- 10%, 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 / TIG	89% / 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 / Application Class / Protection Class	CE / S / IP23
Mains Cable	3 m 4x2.5 mm ² (4x4 mm ² with 230 V)
Supply Plug	CEE 16 A
Dimensions, Lx W x H	460 x 200 x 320 mm
Weight	15 kg

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
MMA 3 Analogue Remote Control incl. 10 m cable and 6-pin connector *	0445870880
MMA 3 Analogue Remote Control incl. 25 m cable and 6-pin connector *	0445870881
10 m Replacement Cable for MMA 3 Analogue Remote Control *	0445204880
25 m Replacement Cable for MMA 3 Analogue Remote Control *	0445204881
Retrofit kit for MMA 3 Analogue Remote Control	0445840880
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
1 to 3-phase Adapter Renegade **	0445139880

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

* Compatible with Renegade ES 300i, ET 300i and ET 300iP machines with serial number over 815-xxx

** Only for use with Renegade ES 300i (0445100880), ET 300i (0445100900) and ET 300iP (0445100920)



ESAB / esab.com

