



## Renegade ES 300i

**Portability is paramount.  
But so is power.**

**Renegade ES 300i is an inverter based MMA/Stick and Live TIG 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.

### Optional remote controls



*ER 1 Multi-functional remote with built-in display*



*MMA 3 Traditional remote for amperage adjustment*

### 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*

*When choosing a top-performing welding machine you need top-performing ESAB Filler Metals.*

Specifications	
Primary voltage 1 ph	230 VAC +/-10%, 50/60 Hz
Primary voltage 3 ph	230-480 VAC +/-10%, 50/60 Hz
Fuse slow	10 A (20 A at 230V)
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 <sup>2</sup> (4x4 mm <sup>2</sup> with 230 V)
Supply plug	CEE 16 A
Dimensions, Lx W x H	460 x 200 x 320 mm
Weight	15 kg

Ordering information	Star product no
Renegade ES300i incl 3 m mains cable and plug	00600014
Renegade ES 300i, incl. 3 m mains, shoulder strap, 5 m weld and return cable	00600015

Options and accessories	Star product no
Shoulder strap	00600016
Electrode holder kit, Handy 300, OKC 50, 3 m	00600017
Electrode holder kit, Handy 300, OKC 50, 5 m	00600018
Return cable kit, OKC 50, 3 m	00600019
Return cable kit, OKC 50, 5 m	00600020
OKC 50 male contact, pack of 4 pcs	00600021
MMA 3 analogue remote control incl. 10 m cable and 6-pin connector *	00600022
MMA 3 analogue remote control incl. 25 m cable and 6-pin connector *	00600023
10 m replacement cable for MMA 3 analogue remote control *	00600024
25 m Replacement cable for MMA 3 analogue remote control *	00600025
Retrofitkit for MMA 3 Analogue remote control	00600026
ER 1 Remote Control incl. 5 m cable and 6-pin connector	00600027
ER 1 Remote Control incl. 10 m cable and 6-pin connector	00600028
ER 1 Remote Control incl. 25 m cable and 6-pin connector	00600029
ER 1 Remote Control incl. 5 m cable and 4-pin connector +	00600030
5 m replacement cable with 4-pin connector for ER 1 remote control	00600031
1 to 3-phase Adapter Renegade **	00600032

+ A 4-pin connector is required for some Renegade ES 300i machines, confirm with supplier if required.

\* Only compatible with selected Renegade ES 300i, ET 300i and ET 300iP machines. Confirm with supplier.

\*\* Only for use with Renegade ES 300i, ET 300i and ET 300iP.

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