

# Renegade VOLT ES 200i

Cordless, battery-powered welder



## Industry

- Repair and Maintenance
- Civil Construction
- Agriculture
- Food and Beverage
- Ship and Offshore Yards
- Railcars
- Power Generation
- Marine and Offshore
- Mining
- Transportation



ESAB Renegade VOLT ES 200i is a portable, cordless battery powered, Stick (SMAW) and Live TIG (TIG) welder with the versatility to operate on battery, AC mains, or in hybrid / AMP+ mode.

This cordless welder runs on 6 Ah, 9 Ah, and 12 Ah DeWALT FlexVOLT batteries. The Renegade VOLT provides the power to burn up to 33 (E6013) electrodes on a single charge using four 12 Ah batteries, that are included in the package.\*

Volt is a highly portable and powerful unit perfect for mobile welders operating in remote, offsite, or hard-to-reach locations without easy access to AC mains power.

In hybrid / AMP+ mode, Volt supplements AC mains power with battery power to prevent nuisance trips on smaller breaker sizes (e.g., 10A, 16A) or to provide more output when welding on 120V input.

The Renegade VOLT features a rugged industrial design with durable, impact-resistant housing and multiple lift points for easy operation and transport in the field. The bright, intuitive colour-screen user interface is designed for outdoors use, even in direct sunlight and features a battery status display and remaining arc time calculator.

This powerful welder offers the highest arc quality with special features that include hot start, arc force, memory storage, and cellulosic mode (6010) to optimize performance based on application or user preference.

\*based on standard operating conditions

- 200 A output on AC mains (230V)
- Up to 140 A output on battery power
- Includes (4) DeWALT FlexVOLT 18V/54V 12Ah batteries
- AMP+ hybrid mode for extra power
- Lightweight and portable battery powered welder
- Durable, impact-resistant housing
- Sun-friendly, intuitive user interface
- Memory storage for welding parameters

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

# Renegade VOLT ES 200i

Specifications							
Voltage	120/230 VAC ± 15%, 1ph, 50/60 Hz						
Fuse Slow	16 A						
Rated kVA	6.0 kVA @ 230 VAC 2.7 kVA @ 120 VAC						
Voltage Range	90 – 270 VAC						
Energy Save Mode	<30 W						
Welding Output, MMA (AC)	<table border="0"> <tr> <td><b>120V</b> 110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %</td> <td><b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %</td> </tr> </table>	<b>120V</b> 110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %	<b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %				
<b>120V</b> 110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %	<b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %						
Welding Output, MMA (Battery Mode)	<b>80V</b> 130 A / 25.2 V @ 18 % 110 A / 24.4 V @ 25 % 80 A / 23.2 V @ 60 % 60 A / 22.4 V @ 100 %						
Welding Output, MMA (Hybrid Mode) AMP+	<table border="0"> <tr> <td><b>120V</b> 150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %</td> <td><b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %</td> </tr> </table>	<b>120V</b> 150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %	<b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %				
<b>120V</b> 150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %	<b>230V</b> 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %						
Welding Output, TIG (AC)	<table border="0"> <tr> <td><b>120V</b> 140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %</td> <td><b>230V</b> 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %</td> </tr> </table>	<b>120V</b> 140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %	<b>230V</b> 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %				
<b>120V</b> 140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %	<b>230V</b> 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %						
Welding Output, TIG (Battery Mode)	<b>80V</b> 150 A / 16.0 V @ 18 % 115 A / 14.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %						
Welding Output, TIG (Hybrid Mode) AMP+	<table border="0"> <tr> <td><b>120V</b> 180A / 17.2 V @ 25 % 130A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %</td> <td><b>230V</b> 200A / 18.0 V @ 25 % 129A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %</td> </tr> </table>	<b>120V</b> 180A / 17.2 V @ 25 % 130A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %	<b>230V</b> 200A / 18.0 V @ 25 % 129A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %				
<b>120V</b> 180A / 17.2 V @ 25 % 130A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %	<b>230V</b> 200A / 18.0 V @ 25 % 129A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %						
Setting Range, MMA	<table border="0"> <tr> <td><b>120 VAC</b> 10A/20.6 – 110A/24.4V</td> <td><b>230 VAC</b> 10A/20.6 – 200A/28V</td> </tr> <tr> <td><b>(120 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 150A/26V</td> <td><b>(230 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 200A/28V</td> </tr> <tr> <td colspan="2"><b>80V (Battery Mode)</b> 10A/20.6 – 130A/25.2V (80 VDC Battery Mode)</td> </tr> </table>	<b>120 VAC</b> 10A/20.6 – 110A/24.4V	<b>230 VAC</b> 10A/20.6 – 200A/28V	<b>(120 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 150A/26V	<b>(230 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 200A/28V	<b>80V (Battery Mode)</b> 10A/20.6 – 130A/25.2V (80 VDC Battery Mode)	
	<b>120 VAC</b> 10A/20.6 – 110A/24.4V	<b>230 VAC</b> 10A/20.6 – 200A/28V					
	<b>(120 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 150A/26V	<b>(230 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 200A/28V					
<b>80V (Battery Mode)</b> 10A/20.6 – 130A/25.2V (80 VDC Battery Mode)							
Setting Range, TIG	<table border="0"> <tr> <td><b>120 VAC</b> 10A/10.4 – 140A/15.6V</td> <td><b>230 VAC</b> 10A/10.4 – 200A/18V</td> </tr> <tr> <td><b>(120 VAC Hybrid Mode) AMP+</b> 10A/10.4 – 180A/17.2V</td> <td><b>(230 VAC Hybrid Mode) AMP+</b> 10A/10.4 – 200A/18V</td> </tr> <tr> <td colspan="2"><b>80V (Battery Mode)</b> 10A/10.4 – 150A/16V (80 VDC Battery Mode)</td> </tr> </table>	<b>120 VAC</b> 10A/10.4 – 140A/15.6V	<b>230 VAC</b> 10A/10.4 – 200A/18V	<b>(120 VAC Hybrid Mode) AMP+</b> 10A/10.4 – 180A/17.2V	<b>(230 VAC Hybrid Mode) AMP+</b> 10A/10.4 – 200A/18V	<b>80V (Battery Mode)</b> 10A/10.4 – 150A/16V (80 VDC Battery Mode)	
	<b>120 VAC</b> 10A/10.4 – 140A/15.6V	<b>230 VAC</b> 10A/10.4 – 200A/18V					
	<b>(120 VAC Hybrid Mode) AMP+</b> 10A/10.4 – 180A/17.2V	<b>(230 VAC Hybrid Mode) AMP+</b> 10A/10.4 – 200A/18V					
<b>80V (Battery Mode)</b> 10A/10.4 – 150A/16V (80 VDC Battery Mode)							
Power Factor at Maximum Current	0.99						
Efficiency at Maximum Current	80%						
Open Circuit Voltage (OCV)	78 VDC						
Operating Temperature	-10 to +40 °C						
Protection Class	<b>IP23</b>						
Certification Mark (Standards)	CE, UKCA						

# Renegade VOLT ES 200i

## Specifications (cont.)

Supply Plug	CEE 7/7 (type E)
Dimensions L x W x H, without battery box	460 x 200 x 320 mm
Dimensions L x W x H, with battery box	480 x 220 x 485 mm
Weight, power source and battery box	17 kg
Weight, power source, battery box and 4 battery packs *	23 kg

\* Weight when using a DeWALT FlexVOLT 18V/54V MAX 12 Ah Battery, weight may vary when using other FlexVOLT battery packs.

## Electrode Consumption - Number of electrodes per charge

Electrode Size // Type	E6013	E7018	E6010
2.5 x 250 mm (3/32 x 9.8 in.)	33	26	31
2.5 x 350 mm (3/32 x 13.8 in.)	22	17	21
3.2 x 350 mm (1/8 x 13.8 in.)	14	10.5	12

Consumption when using four (4) DeWALT FlexVOLT 18V/54V Max 12 Ah Batteries, consumption may vary when using other FlexVOLT battery packs or operating parameters

## Ordering Information

Renegade VOLT ES 200i (CE) *	0447800881
Renegade VOLT ES 200i (UKCA) *	0447800883

\* Delivery includes: Power source, DeWALT FlexVOLT 18V/54V Max 12Ah batteries (4), DeWALT FlexVOLT four-port fast charger, electrode holder 3m (10 ft) cable and OKC 50, return cable 3m (10 ft) with clamp and OKC 50, shoulder strap and detachable battery box.

## Accessories

MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm <sup>2</sup> , 3 m, OKC50	0700006900
Return cable 200A, 10 ft. (3 m)	0700006901
Return cable kit, OKC 50, 5 m	0700006885
Shoulder strap	0445197880
SR-B 17V TIG Torch, 4 m	0700025514

## Wear & Spare Parts

DeWALT FlexVOLT 6Ah Batteries	DCB546-XJ
DeWALT FlexVOLT 9Ah Batteries	DCB547-XJ
DeWALT FlexVOLT 12Ah Batteries	DCB548-XJ
DeWALT FlexVOLT 4-Port Charger (CE)	DCB104-QW
DeWALT FlexVOLT 4-Port Charger (UKCA)	DCB104-GB

Can be purchased from any authorized DeWALT retailer.



ESAB / esab.com

