

# Renegade VOLT™ ES 200i

Cordless, battery-powered welder



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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 color-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 20V/60V 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.

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# 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 %
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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 %
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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 %
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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 %
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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> </table>	<b>120 VAC</b> 10A/20.6 – 110A/24.4V	<b>230 VAC</b> 10A/20.6 – 200A/28V
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	<table border="0"> <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> </table>	<b>(120 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 150A/26V	<b>(230 VAC Hybrid Mode) AMP+</b> 10A/20.6 – 200A/28V
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<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> </table>	<b>120 VAC</b> 10A/10.4 – 140A/15.6V	<b>230 VAC</b> 10A/10.4 – 200A/18V
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<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 (+14 to +104 °F)		
Protection Class	<b>IP23</b>		
Certification Mark (Standards)	<b>cETLus</b>		

# Renegade VOLT ES 200i

Specifications (cont.)	
Supply Plug	NEMA 6-50P (CSA)
Dimensions L x W x H, without battery box	460 x 200 x 320 mm (18 x 8 x 13 in.)
Dimensions L x W x H, with battery box	480 x 220 x 485 mm (19 x 9 x 19 in.)
Weight, power source and battery box	17 kg (37.5 lbs)
Weight, power source, battery box and 4 battery packs *	23 kg (51 lbs)

\* Weight when using a DeWALT FLEXVOLT 20V/60V 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 20V/60V Max 12 Ah Batteries, consumption may vary when using other FLEXVOLT battery packs or operating parameters

Ordering Information	
Renegade VOLT ES 200i (CSA)	0447800880

Delivery includes: Power source, DeWALT FLEXVOLT 20V/60V 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, detachable battery box, and power adapter 115V/230V.

Accessories	
MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder 200 A and Lead Assembly, 4 m (13 ft), 50 mm	WS200E13
Return cable 200A, 10 ft. (3 m)	0700006901
Shoulder strap	0445197880
Power Adapter, 230 V to 120 V, 15 A (2 ft, N6-50R to N5-15P)	W4014000
TIG Foot Control, 4.5 m (15 ft) cable and 8-pin connector	W4014450
Heliarc SR-17V TIG torch, Air-cooled with Gas-valve, 2.4 mm (3/32 in.), 3.8 m (12.5 ft)	0700026614
Heliarc SR-17V TIG Torch, Air-cooled with Gas-valve, 2.4 mm (3/32 in.), 7.6 m (25 ft)	0700026615
Heliarc SR-26V TIG Torch, Air-cooled with Gas-valve, 4.0 mm (5/32 in.), 3.8 m (12.5 ft) cable	0700026624
Heliarc SR-26V TIG Torch, Air-cooled with Gas-Valve, 4.0 mm (5/32 in.), 7.6 m (25 ft) cable	0700026625

Wear & Spare Parts	
DeWALT FLEXVOLT 6Ah Batteries *	DCB606
DeWALT FLEXVOLT 9Ah Batteries *	DCB609
DeWALT FLEXVOLT 12Ah Batteries *	DCB612
DeWALT FLEXVOLT 4-Port Charger *	DCB104

\* Must be purchased from any authorized DeWALT retailer.



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