

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 (GTAW) welder with the versatility to operate in Battery, Mains, or AMP+ Hybrid Mode.

This cordless welder runs on 6 Ah, 9 Ah, and 12 Ah DEWALT® FLEXVOLT® batteries. 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.*

Renegade 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 AMP+ Hybrid Mode, Renegade 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.

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 outdoor 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 max 12 Ah 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 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	<50W						
Welding Output, MMA (Mains Mode)	<table border="0"> <tr> <td>120V 110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %</td> <td>230V 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %</td> </tr> </table>	120V 110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %	230V 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)	<table border="0"> <tr> <td>80V 140 A / 25.2 V @ 18 % 110 A / 24.4 V @ 25 % 80 A / 23.2 V @ 60 % 60 A / 22.4 V @ 100 %</td> </tr> </table>	80V 140 A / 25.2 V @ 18 % 110 A / 24.4 V @ 25 % 80 A / 23.2 V @ 60 % 60 A / 22.4 V @ 100 %					
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Welding Output, MMA (AMP+ Hybrid Mode)	<table border="0"> <tr> <td>120V 150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %</td> <td>230V 200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %</td> </tr> </table>	120V 150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %	230V 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 (Mains Mode)	<table border="0"> <tr> <td>120V 140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %</td> <td>230V 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %</td> </tr> </table>	120V 140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %	230V 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)	<table border="0"> <tr> <td>80V 150 A / 16.0 V @ 18 % 115 A / 14.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %</td> </tr> </table>	80V 150 A / 16.0 V @ 18 % 115 A / 14.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %					
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Welding Output, TIG (AMP+ Hybrid Mode)	<table border="0"> <tr> <td>120V 180 A / 17.2 V @ 25 % 130 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %</td> <td>230V 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %</td> </tr> </table>	120V 180 A / 17.2 V @ 25 % 130 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %	230V 200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %				
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Setting Range, MMA (Mode)	<table border="0"> <tr> <td>120V (Mains) 10 A / 20.6 - 110 A / 24.4 V</td> <td>230V (Mains) 10A/20.6 - 200 A / 28 V</td> </tr> <tr> <td>120V (AMP+ Hybrid) 10 A / 20.6 - 150 A / 26 V</td> <td>230V (AMP+ Hybrid) 10 A / 20.6 - 200 A / 28 V</td> </tr> <tr> <td colspan="2">80V (Battery) 10 A / 20.6 – 140 A / 25.6 V (80 VDC Battery Mode)</td> </tr> </table>	120V (Mains) 10 A / 20.6 - 110 A / 24.4 V	230V (Mains) 10A/20.6 - 200 A / 28 V	120V (AMP+ Hybrid) 10 A / 20.6 - 150 A / 26 V	230V (AMP+ Hybrid) 10 A / 20.6 - 200 A / 28 V	80V (Battery) 10 A / 20.6 – 140 A / 25.6 V (80 VDC Battery Mode)	
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80V (Battery) 10 A / 10.4 - 150 A / 16 V (80 VDC DC Mode)							
Power Factor at Maximum Current	0.99						
Efficiency at Maximum Current	80%						
Open Circuit Voltage (OCV)	80 VDC						
Operating Temperature	-10 to +40 °C (+14 to +104 °F)						
Protection Class	IP23						
Certification Mark (Standards)	ETL						

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	19 kg (41 lbs)
Weight, power source, battery box and 4 battery packs *	24.5 kg (54 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 or other brand electrodes.

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
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)	0700026624
Heliarc SR-26V TIG Torch, Air-cooled with Gas-Valve, 4.0 mm (5/32 in.), 7.6 m (25 ft)	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

Can be purchased from any authorized DEWALT retailer.



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