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

POWERED BY DEWALT FLEXVOLT

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** 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)	**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 %
Welding Output, MMA (Battery Mode)	**80V** 140A / 25.6 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+	**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 %
Welding Output, TIG (AC)	**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 %
Welding Output, TIG (Battery Mode)	**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 %	
Welding Output, TIG (Hybrid Mode) AMP+	**120V** 180A / 17.2 V @ 25 % 130A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %	**230V** 200A / 18.0 V @ 25 % 129A / 15.2 V @ 60 % 100A / 14.0 V @ 100 %
Setting Range, MMA	**120 VAC** 10A/20.6 – 110A/24.4V	**230 VAC** 10A/20.6 – 200A/28V
	(120 VAC Hybrid Mode) AMP+ 10A/20.6 – 150A/26V	**(230 VAC Hybrid Mode) AMP+** 10A/20.6 – 200A/28V
	80V (Battery Mode) 10A/20.6 – 140A/25.6V (80 VDC Battery Mode)	
Setting Range, TIG	**120 VAC** 10A/10.4 – 140A/15.6V	**230 VAC** 10A/10.4 – 200A/18V
	(120 VAC Hybrid Mode) AMP+ 10A/10.4 – 180A/17.2V	**(230 VAC Hybrid Mode) AMP+** 10A/10.4 – 200A/18V
	80V (Battery Mode) 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	**IP23**	
Certification Mark (Standards)	CE, UKCA	

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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 mm², 3 m, OKC50	0700006900
Return cable 200A, 10 ft. (3 m)	0700006901
Return cable kit, OKC 50, 5 m	0700006885
Shoulder strap	0445197880
TIG Torch ET17v, 4 m (8 pin connection)	0700300869

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

** Must be purchased from any authorized DeWALT retailer.*

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