

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 % | | | | |
| 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) | <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 % | | | | | |
| 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 % | | | | | | | |
| 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 % | | | | |
| 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 (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 % | | | | |
| 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) | <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 % | | | | | |
| 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 (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 % | | | | |
| 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 % | | | | | | |
| 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) | |
| | 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) | | | | | | | |
| Setting Range, TIG (Mode) | <table border="0"> <tr> <td>120V (Mains) 10 A / 10.4 - 140 A / 15.6 V</td> <td>230V (Mains) 10 A / 10.4 - 200 A / 18 V</td> </tr> <tr> <td>120V (AMP+ Hybrid) 10 A / 10.4 - 180 A / 17.2 V</td> <td>230V (AMP+ Hybrid) 10 A / 10.4 - 200 A / 18 V</td> </tr> <tr> <td colspan="2">80V (Battery) 10 A / 10.4 - 150 A / 16 V (80 VDC DC Mode)</td> </tr> </table> | 120V (Mains) 10 A / 10.4 - 140 A / 15.6 V | 230V (Mains) 10 A / 10.4 - 200 A / 18 V | 120V (AMP+ Hybrid) 10 A / 10.4 - 180 A / 17.2 V | 230V (AMP+ Hybrid) 10 A / 10.4 - 200 A / 18 V | 80V (Battery) 10 A / 10.4 - 150 A / 16 V (80 VDC DC Mode) | |
| | 120V (Mains) 10 A / 10.4 - 140 A / 15.6 V | 230V (Mains) 10 A / 10.4 - 200 A / 18 V | | | | | |
| | 120V (AMP+ Hybrid) 10 A / 10.4 - 180 A / 17.2 V | 230V (AMP+ Hybrid) 10 A / 10.4 - 200 A / 18 V | | | | | |
| 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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