

Renegade VOLT™ EMP 200i

Cordless, battery-powered, multi-process welder



Industry

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



TWECO Spool Gun 250 – optional accessory for wire welding (GMAW, FCAW)

Renegade VOLT EMP 200i is a portable, cordless battery-powered welder designed for field repair and maintenance. It combines stick (SMAW), Live TIG (TIG), GMAW and FCAW, supporting self-shielded flux-cored and solid wires with a spool gun. This provides flexibility for MIG welding stainless steel and aluminum while allowing easy process switching.

The system operates on DeWALT® FLEXVOLT® batteries and can weld using battery power, AC mains, or hybrid AMP+ mode. In hybrid mode, battery power supplements the AC supply to help prevent nuisance breaker trips on smaller breaker sizes or provide additional output when needed. This flexibility allows reliable welding in remote locations, offsite jobs, or areas without convenient access to grid power.

Renegade VOLT EMP features a rugged industrial design with durable, impact-resistant housing for demanding jobsite conditions. A detachable power cord improves durability and serviceability by reducing cable damage risk and enabling quick replacement.

Using the TWECO Spool Gun allows controlled wire welding with lower heat input than stick welding, helping reduce distortion on thinner materials. This makes the system suitable for repair and light fabrication while delivering strong, consistent performance.

- 200 A output on AC mains (230V)
- Up to 150 A output on battery power
- MIG & flux-cored welding capability with optional Spool Gun
- Includes (4) DeWALT FLEXVOLT 20V/60V 12Ah batteries
- AMP+ hybrid mode for extra power
- Lightweight and portable battery powered welder
- Detachable power cord
- Durable, impact-resistant housing
- Sun-friendly, intuitive user interface

Visit **esab.com** for more information.

Renegade VOLT™ EMP 200i

Specifications		
Voltage	120/230 VAC ± 15%, 1Φ, 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, SMAW (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, SMAW (Battery Mode)	80V 140 A / 25.6 V @ 18 % 110 A / 24.4 V @ 25 % 80 A / 23.2 V @ 60 % 60 A / 22.4 V @ 100 %	
Welding Output, SMAW (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 %
Welding Output, GMAW (AC)	120V 120 A / 20.0 V @ 25 % 80 A / 18.0 V @ 60 % 65 A / 17.3 V @ 100 %	230V 200 A / 24.0 V @ 25 % 129 A / 20.5 V @ 60 % 100 A / 19.0 V @ 100 %
Welding Output, GMAW (Battery Mode)	80V 150 A / 21.5 V @ 18 % 120 A / 20.0 V @ 25 % 90 A / 18.5 V @ 60 % 70 A / 17.5 V @ 100 %	
Welding Output, GMAW (Hybrid Mode) AMP+	120V 160A / 22.0 V @ 25 % 100A / 19.0 V @ 60 % 80A / 18.0 V @ 100 %	230V 200A / 24.0 V @ 25 % 129A / 20.5 V @ 60 % 100A / 19.0 V @ 100 %

Renegade VOLT™ EMP 200i

Specifications (cont.)		
Setting Range, SMAW	120 VAC 10 – 110 A	230 VAC 10 – 200 A
	120 VAC Hybrid AMP+ 10 – 150 A	230 VAC Hybrid AMP+ 10 – 200 A
	80 VDC (Battery Mode) 10 – 140 A	
Setting Range, TIG	120 VAC 10 – 140 A	230 VAC 10 – 200 A
	120 VAC Hybrid AMP+ 10 – 180 A	230 VAC Hybrid AMP+ 10 – 200 A
	80 VDC (Battery Mode) 10 – 150 A	
Setting Range, GMAW	120 VAC 10 – 120 A	230 VAC 10 – 200 A
	120 VAC Hybrid AMP+ 10 – 160 A	230 VAC Hybrid AMP+ 10 – 200 A
	80 VDC (Battery Mode) 10 – 150 A	
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	IP23	
Certification Mark (Standards)	cETLus	
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 while using (4) DeWALT FLEXVOLT 12AH batteries, weight may vary when using other FLEXVOLT battery packs.

Renegade VOLT™ EMP 200i

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 EMP 200i	0448756880
Renegade VOLT EMP 200i Spool Gun Kit	0448856880

Delivery includes:

0448756880 - Renegade Volt EMP 200i power source, electrode holder 3m (10 ft) cable and OKC 50, return cable 3m (10 ft) with clamp and OKC 50, shoulder strap, detachable battery box, power adapter 120V/230V, (4) DeWALT FLEXVOLT 20V/60V Max 12Ah batteries and a DeWALT FLEXVOLT four-port fast charger.

0448856880 - Renegade Volt EMP 200i power source, electrode holder 3m (10 ft) cable and OKC 50, return cable 3m (10 ft) with clamp and OKC 50, shoulder strap, detachable battery box, power adapter 120V/230V, (4) DeWALT FLEXVOLT 20V/60V Max 12Ah batteries and a DeWALT FLEXVOLT four-port fast charger, TWECO Spool Gun 250 4m (12.5ft), Victor GF250 gas regulator, Sureweld 70S-6 (0.035 in., 2 lbs) welding wire

Accessories

TWECO Spool Gun 250, OKC 50, 8 pin, 4 m (12.5 ft)	10271494
TWECO Spool Gun 250, OKC 50, 8 pin, 8 m (25 ft)	10271495
MMA 4 Analogue Remote-Control incl. 10 m (33 ft) cable	0700500084
Electrode Holder 200 A and Lead Assembly, 4 m (13 ft), 50 mm	WS200E13
Return cable 200A, 3 m (10 ft)	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)	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 (CE) *	DCB104

* Must be purchased from any authorized DeWALT retailer.



ESAB / esab.com

