

RUSTLER MIG PRO



The Rustler MIG PRO compact welding inverters are your solution of choice for the most common welding challenges. Equipped with the latest inverter technology they combine low energy consumption with optimized welding performance.

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Rustler MIG PRO is ready to weld most common base materials with optimized arc programs for carbon steel, stainless steel, aluminium, brazing and flux-cored wires.

Smooth wire feed is delivered by a robust and reliable 4WD feeding mechanism. The synergic model allows operation by setting the material thickness to achieve perfectly balanced welding parameters, allowing even less experienced welders to produce optimal welds.

Rugged industrial design

- Durable housing, IP 23 for indoor and outdoor applications
- Easy to maneuver handles, build in solid wheels
- Build in gas cylinder support
- Inspection window, wire inch, gas test
- Light in the welding chamber

Excellent performance

- High output power. 350A at 40% of duty cycle for MIG
- Great welding performance in short arc, globular and spray arc
- Optimized arc characteristics for various base materials, like carbon steel, stainless steel, aluminum and brazing
- Best in class, unique 4 drive rolls feeding mechanism
- Synergic model with material thickness selection
- MMA welding process
- Energy saving, efficiency

User friendly set up

- Large, bright and well visible display
- 5 Jobs with direct access
- Multiple adjustment available, like: Inductance, trigger mode, burn back, crater fill, gas post flow, etc.
- Manual and synergic MIG, Spot weld MIG and MMA modes.

Expanded usability

- Top storage area usable for hand tools or wear parts
- Optional storage box to organize and close stored components
- Gun rest / holder
- Cable / PPE hanger
- Front panel cover



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Rustler MIG PRO PULSE compact welding inverters are your solution of choice for the most common welding challenges. Equipped with the latest inverter technology and pulse function, they combine low energy consumption with optimized welding performance.

Pulse MIG Benefits

- **Lower heat input** – Minimizes distortion and burn-through, ideal for heat-sensitive alloys
- **Reduced spatter** – Cleaner welds, less post-weld cleanup, and longer gun life
- **High-quality welds** – Visually appealing results, especially for aluminium
- **Higher deposition rates** – Boosts productivity and travel speed
- **Stable weld pool** – Better control, ideal for out-of-position welding
- **Less welding fumes** – Safer, cleaner work environment
- **Wire efficiency** – One wire size covers multiple applications, reducing inventory
- **User-friendly** – Easier to weld, less training required

Ready for All Materials:

Optimized arc programs for carbon steel, stainless steel, aluminium, brazing, and flux-cored wires. Smooth wire feed via robust 4WD mechanism. Synergic model allows easy setup by material thickness.

Smart Design & Usability:

- Bright display with direct access to 5 jobs
- Adjustable settings: inductance, trigger mode, burn back, crater fill, gas post-flow
- Manual/synergic MIG, Spot weld MIG, and MMA modes
- Storage options, gun holder, cable hanger, and protective cover

Built for Industry:

- Durable IP23 housing for indoor/outdoor use
- Integrated wheels and gas cylinder support
- Inspection window, wire inch, gas test, and welding chamber light

Performance Highlights:

- 350A at 40% duty cycle
- Excellent arc characteristics across materials
- Unique 4-roll drive system
- Energy-efficient and versatile

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SPECIFICATIONS

Model	Rustler EM 280C PRO	Rustler EM 350C PRO	Rustler EM 350 PRO Synergic/Pulse	Rustler EM 350Cw PRO Synergic/Pulse (Water cooled)
Mains Voltage	400 V \pm 15%, 3 Φ , 50/60 Hz			
Primary Current IMAX	14.0 A	20.6 A	20.6 A	20 A
Primary Current Ieff	9 A	13 A	13 A	13 A
Idle Power	< 30 W	< 30 W	< 30 W	< 40 W
Mains Cable	4x2,5mm ² , 4m	4x2,5mm ² , 4m	4x2,5mm ² , 4m	4x2,5mm ² , 4m
Supply Plug	CEE16	CEE16	CEE16	CEE16
Rated kVA	9.7 kVA	14.0 kVA	14.0 kVA	14.0 kVA
Recommended Generator	12 kW	17 kW	17 kW	17 kW
MIG/MAG Welding Output 40% Duty Cycle	280A/28V	350 A/31.5 V	350 A/31.5 V	350 A/31.5 V
Current Range, MIG/MAG	40-280 A	30-350 A	30-350 A	30-350 A
Voltage Range, MIG/MAG	16-28 V	15.5-31.5 V	15.5-31.5 V	15.5-31.5 V
Open Circuit Voltage, MIG/MAG	65.0 VDC	71.0 VDC	71.0 VDC	71.0 VDC
MMA Welding Output 40% Duty Cycle	250A/30 V	320 A/32.8 V	320 A/32.8 V	320 A/32.8 V
Current Range, MMA	20-250 A	20-320 A	20-320 A	20-320 A
Voltage Range, MMA	20.8-30 V	20.8-32.8 V	20.8-32.8 V	20.8-32.8 V
Open Circuit Voltage, MMA	63.0 VDC	66.6 VDC	66.6 VDC	66.6 VDC
Power Factor at Max Current	0.9	0.9	0.9	0.8
Efficiency at Max Current	90%	89%	89%	85%
Wire Feed Speed Range	1.5 – 22 m/min			
Maximum Plate Thickness	Mild Steel: 0.6 – 13 mm Aluminum: 1.2 – 10 mm Stainless: 1.0 – 10 mm			
Wire Diameter Range: Mild Steel Stainless Steel Aluminum Flux Cored	0.8 – 1.2 mm 0.8 – 1.2 mm 0.8 – 1.2 mm 0.8 – 1.2 mm			
Wire Spool Size	200 mm and 300 mm			
Approvals	CE / UKCA			
Enclosure Class	IP23			
Operating Temperature	-10 to +40 °C (+14 to +104 °F)			
Power Source Dimensions	977x487x800mm	977x487x800mm	977x487x800mm	977x487x1230mm
Power Source Weight	54 kg	57.5 kg	61 kg	80 kg
Cooling Power	1 kW			
Cooling Volume	1.8 l			
Maximum Flow	1.9 l/min			
Maximum Pressure	4.5 bar			

Description	Power Source	Power source + Toolbox + Torch
Rustler EM 280C PRO	0448280990	0448280880
Rustler EM 350C PRO	0448350991	0448350881
Rustler EM 350C PRO Synergic	0448350992	0448350882
Rustler EM 350C PRO Synergic Pulse	0448350995	0448350885
Rustler EM 350Cw PRO Synergic	0448350994	0448350884
Rustler EM 350Cw PRO Synergic Pulse	0448350996	0448350886

Delivery includes: Power source with 4 m input cable 3 Ph 16A/32A plug, 3 m work lead, gas hose with quick connector 4 m, drive rolls for 0.9/1.0 and 1.2 mm wire. Package 280C/350C/350C Synergic/350C includes Exeor PSF 315 torch with R4, 4 m, 350Cw Synergic includes Exeor PSF 420w torch with R4, 4 m.