



# Met Weld

Leading Indian manufacturers and exporter of **Welding Machine, Welding Electrodes, Welding Wires, Welding Cables and Welding Accessories**

## RELON Brand Inverter Welding Machine > MMAW Inverter Welder RELON Brandz MMAW Inverter Welder

### FEATURES: ARC160 & ARC200

Adapted powerful MOSFET to change the supply frequency of 50/60Hz to high frequency (up to 100kHz) and then to come down the voltage as well as to change the AC current to DC current by the circuit, and eventually to turn out the powerful DC supply under the support of the PWM adjustment technology; in such an inverter design circuit, the weight and volume of main transformer comes down dramatically, and its efficiency is over 30% increased instead

Auto-Compensation-Function as to the power supply fluctuation, strong adaptability of anti-power-supply fluctuation and stable welding current

Over-Voltage, Over-Current, Over Heat Auto-Protection Functions

Excellent Arc Force Compensation Function

Reliable, Light and Small with High-Efficiency & High Energy Savings

Adaptable to the welding application in different kinds of acid or basic electrodes

Adaptable to the welding application on different kinds of low carbon steels, medium carbon steels and alloy-steels

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## **FEATURES: ARC250, ARC400 & ARC630**

Made in the IGBT inverter technology with an inverter frequency up to 25KHz, quick dynamic response in the inside electronic communication

Well organized structure, convenient to maintenance and repairs

PMW Control, high quality and performance

Adapted in the IGBT Uni-Transistor Driving & Protection Technology, which enhances reliability and life cycle of the products

Built in protection circuit & malfunction display function, reliable and convenient to trouble shooting

Triple – prevention functions (Dust, Moisture & Eroding Prevention)

Light, Small, High Efficiency and Less Noises

Digital Current and Voltage Display, Clear Reading

Ultra-nanometer materials Major Transformer

High duty cycle, over 60% at 40C degrees

Stable welding performance even at the voltage fluctuation range of 320V to 450V

Additional remote current control

Arc force adjustment control with a range from 0 to 100A

ARD function, Hot Arc Ignition Function with a present hot arc current from 0 to 135A

Adaptable to different kinds of acid and basic electrodes

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PARAMETERS	ARC160	ARC200	ARC250	ARC400	ARC630
Input Voltage (V)	AC220V±15% (1 phases), 50/60Hz	AC220±15% (1 phase), 50/60Hz	AC380V±15% (3 phases), 50/60Hz	AC380V±15% (3 phases), 50/60Hz	AC380V±15% (3 phases), 50/60Hz
Rated Input Current (A)	32.7	43.6	14.4	27.7	35
Output Current Range (A)	10~160	10~200	10~250	30~400	50~630
ARC Force Current Range (A)	--	--	0~100	0~135	0~135
Rated Output Voltage (V)	26.4	28	30	36	44
Duty Cycle (%)	60	60	60	60	60
No-Load Voltage (V)	65	58	60	62	76
No-Load Loss (W)	40	40	60	80	200
Efficiency (%)	80	80	85	85	85
Power factor	0.73	0.73	0.93	0.93	0.93
Insulation class	F	F	F	F	F
Protection class	IP21	IP21	IP21	IP21	IP21
Weight (kg)	8	8	17	22	54
Dimensions (mm)	290×132×203	400×153×291	455×202×372	515×262×468	685×302×660

**WEBSITE URL:** [http://metweld.in/Relon\\_MMAW\\_Inverter\\_Welder.html](http://metweld.in/Relon_MMAW_Inverter_Welder.html)

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