



**Electronics
Devices**

Worldwide Pvt. Ltd.

Making things happen

Sigma Weld

Digital Welding Inverters for MMA, TIG, MIG



**ENERGY
SAVER**

INDY MMA – 3 PHASE MANUAL METAL ARC WELDING INVERTERS

Features

- Constant current Output Provided
- User Friendly panel contains knob for current and Arc force adjustment.
- Energy Saving inbuilt, which gives 40% to 70% power saving over rectifier & transformer based technology.
- Excellent Welding Performance in MMA For all steels & Alloys
- Protection and safety for Overvoltage, overcurrent, low voltage, thermal shutdown for High temperature.

Sigma weld	Electrode	Rutile	Basic	Cellulosic
INDY Model	Ø	Amps	Amps	Amps
INDY 250MMA	4.0	120-170	140-200	100-150
INDY 400 MMA	5.0	150-250	190-260	140-230
INDY 600 MMA	6.3	220-370	250-320	200-300

Specification	INDY 250MMA	INDY 400MMA	INDY 600MMA
Rated Input Voltage	3Ø 415V± 15% , 50 Hz	3Ø 415V± 15% , 50 Hz	3Ø 415V± 15% , 50 Hz
Power (KVA) @100%	7KVA	16 KVA	22KVA
Duty cycle @ 40°C	100% @200A	100% @300A	100% @400A
Open Circuit Voltage	80V	80V	80V
Output range	5-250Amps	5-400Amps	5-600Amps
(D×W×H) mm	610×300×500	610×300×500	660×380×650
Weight	35Kg	35Kg	50kg

Protection, Safety Features & Parameter

1) Thermal shutdown	In built (over temperature Indication)	1) Arc Force Control	Adjusted
2) Under voltage	In built (Phase failure Indication)	2) Arc breaking Control	In Built
3) Over current	In built (Phase failure Indication /MOV)	3) Hot start current	30%
4) IGBT Peak current	In built	4) Hot start duration (approx.)	300 m Sec
5) Energy saving	In built	5) Digital Ammeter	In Built
6) Cooling type	Forced Air cooling		



Electronics Devices Worldwide Pvt .Ltd.

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**ENERGY
SAVER**

INDY MIG – 3 PHASE METAL INERT GAS WELDING

Features

- Constant Voltage Output Provided
- Protection and safety for Overvoltage, overcurrent, low voltage, thermal shutdown for High temperature.
- 6TH Generation IGBT Based Solid State Inverter Design
- Voltage and Speed Parameters adjustable Remote
- Easy to Learn Easy to Weld parameter setting
- User Friendly Panel for current ,Voltage, 2T,4T , Manual and Remote setting
- Energy Saving inbuilt , which gives 40% to 70% power saving over rectifier & transformer based technology

Product Selector Guide

SIGMA WELD INDY MODEL	WIRE SIZE	OUTPUT RANGE	INDUSTRY	APPLICATION
INDY 250MM	0.65to 1.2 mm	50 to 250 Amps 16 to 30 Volts	Automobile, Light Fabrication, Furniture, Control Panel Manufacturers	
INDY 400MM	0.85to 1.6 mm	50 to 400 Amps 16 to 38 Volts	Heavy*fabrication, Automobile, Structural, Boiler, Pressure Vessels	

Specification

Machine Model	INDY 250MM	INDY 400MM		
Rated Input Voltage	3Ø , 415V ± 15% , 50Hz	3Ø , 415V ± 15% , 50Hz	Wire Feeder	SW 4RWF
Power (KVA) @ 100%	8KVA	13KVA	Wire Size	0.8-1.6mm
Duty cycle @ 40°C	250 Amps @ 60%	400Amps @ 60%	Wire Feed	4 Roll
Open Circuit Voltage	70V	70V	Feeding Rate	2-24 mtr/min
Output Range	50 to 250 Amps 16 to 30 Volts	50 to 600 Amps 16 to 38Volts	Dimension (WxDxH) mm	190x475x335
Dimension (DxWxH)	610x300x500	610x300x500		
Weight	37kg	37kg		

Protection, Safety & Features

1) Thermal Shutdown	Inbuilt (over temperature indication)	1) Crater Voltage , Speed	Adjustable
2) Under Voltage	Inbuilt (Phase Failure Indication)	2) Welding Mode	2T/4T
3) Over Voltage	Inbuilt (Phase failure Indication MOV)	3) Digital Ammeter	Inbuilt
4) IGBT Peak current	Inbuilt	4) Process Recall	Inbuilt
5) cooling type	Forced Air Cooled	5) Wire Feeder Motor	2 Roll/ 4 Roll
		6) Wire feeder Type	Open / Enclosed



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