



for Welding Excellence

# IGBT BASED INVERTER TECHNOLOGY

ARC WELDING MACHINES  
INVA - ARC 400 / 500 / 600

Consistency  
in quality  
& service

30  
Years

## Special Features

- ▶ Suitable for all electrode including cellulosic electrodes (E6010).
- ▶ Hot Start-For easy arc striking.
- ▶ Adjustable Arc force: For penetration control.
- ▶ VRD : for welder safety(Optional).
- ▶ Wire Remote Control (Optional).
- ▶ Touch TIG facility.
- ▶ Long distance compensation.
- ▶ In built anti stick function.
- ▶ Work with generators.(Optional)
- ▶ Suitable for Gouging (500 & 600 Amps Models).
- ▶ Wide operating input voltage range-( 370 to 460 Volt.)
- ▶ Built in input voltage compensation for stable arc.
- ▶ Multi Protection Against:
  - ▶ Overload
  - ▶ Over-Voltage
  - ▶ Under-Voltage
  - ▶ Single Phasing



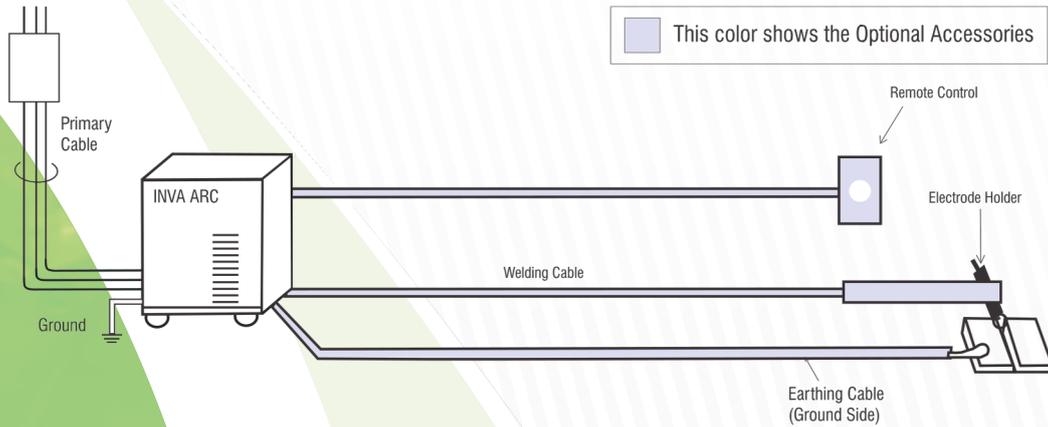
CONFIRMS TO INTERNATIONAL STANDARDS  
IEC 60974 - I

**INPUT**      **OUTPUT**

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Excellent Welding for Higher Performance. . .

## CONNECTION DIAGRAM



## CONTROL PANEL



## TECHNICAL SPECIFICATIONS

PARAMETERS	INVA ARC-300	INVA ARC-400	INVA ARC-500	INVA ARC-600
Rated input voltage (VAC)		3Ph., 415 VAC $\pm$ 10%, 50/60Hz		
Power factor (COS $\Phi$ )	0.99	0.99	0.99	0.99
Protection	IP 23	IP 23	IP 23	IP 23
Class of Insulation	H	H	H	H
Rated input power (KVA)	11.5	17.5	23.5	31.5
Rated input current (A)	16	24	34	45
Rated MCB capacity (A)	40	40	63	63
Open circuit voltage (V)	75	75	75	85
Current range (A)	20-300	20-400	20-500	20-600
Rated welding current (A)	300	400	500	600
Rated welding voltage (V)	32	36	40	44
Rated Duty cycle (%)	60	60	100	60
Dimension (LxWxH) (approx) (mm)	600 x 210 x 420		750 x 430 x 740	
Weight (approx) (kg)	54	54	85	85

## Optional, SWA at extra cost

Welding Cable with Electrode holder	: 5 Mtr
Earthing clamp with earthing cable	: 5 Mtr
Hand Remote controller	: 5 Mtr
Hand Gloves, Helmet, Chipping hammer	: 1 Set each

**ALSO AVAILABLE WITH DIGITAL CORD LESS REMOTE, MODEL: INVA ARC 300-600 CR**