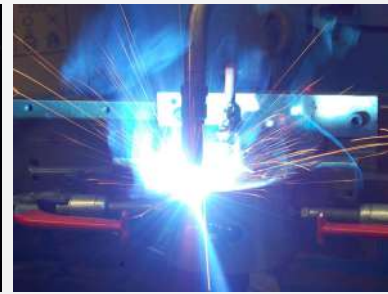




MAGNUS CC/CV SERIES

MIG / MAG / ARC WELDING EQUIPMENT



APS provides the most reliable in its class, MAGNUS CC/CV SERIES MIG / MAG / ARC welding equipment ranging from 250A to 600A. The Magnus series is well known in the market for its simplicity, reliability, ruggedness and is capable of serving the customer in tough environment. Magnus series is designed to work under wide voltage fluctuations, protected against Over Voltage, Under Voltage, Over Heating, Over current for IGBT protection with indication, Phase error detection. On Load Power Consumption upto 50% lesser than conventional Non-inverter type welding equipment.



**HIGH PERFORMANCE
OPTIMUM PRICE**

**HEAVY DUTY.
RELIABLE.
RUGGED.**

ADVANCED POWER SOURCES[®] LIMITED



Registered Office:

No. 306, Sagar Industrial Estate, Near Toll Naka, Dahisar(E), Mumbai
Maharashtra - 400 068. INDIA. Ph: 022-28967134
CIN: U74990MH2009PLC195896

Manufacturing Facility:

Survey no. 172/1, Paikee 2, Old GIDC, Gundlav, Valsad, Gujarat - 396035
INDIA. Ph: 02632-236799/98
email: info@apsl.in www.apsl.in



IGBT BASED ARC & TIG INVERTER WELDING MACHINES

Technical Specifications	MAGNUS 250CC/CV	MAGNUS 400CC/CV	MAGNUS 500CC/CV	MAGNUS 600CC/CV
				
INPUT				
Input Supply	415V, 50Hz, 3Phase	415V, 50Hz, 3Phase	415V, 50Hz, 3Phase	415V, 50Hz, 3Phase
Switching Device	I.G.B.T	I.G.B.T	I.G.B.T	I.G.B.T
Input KVA @ 60% Duty	8.2 KVA	16.8 KVA	24.15 KVA	32.7 KVA
Input KVA @ 100% Duty	5.5 KVA	11.3 KVA	15.98 KVA	21.5 KVA
OUTPUT				
MIG				
Voltage Range (Volts)	12 - 36 Volts	14 - 42 Volts	14 - 42 Volts	14 - 42 Volts
Peak Welding Current (Amps)	250A	400A	500A	600A
ARC				
Open Circuit Voltage (Volts)	70	70	70	70
Current Range (Amps)	10 - 250 A	10 - 400 A	10 - 500 A	10 - 600 A
Current @ 60% Duty Cycle (Amps)	250A	400A	500A	600A
Current @ 100% Duty Cycle (Amps)	190A	310A	387A	465A
OTHERS				
Digital Panel Meters	Amps & Volts	Amps & Volts	Amps & Volts	Amps & Volts
Class Of Protection	IP21	IP23	IP23	IP23
Class Of Insulation	H	H	H	H
Fan On Demand	YES	YES	YES	YES
Cooling	FORCED AIR	FORCED AIR	FORCED AIR	FORCED AIR
Dimensions(WXLXH) mm	310 x 450 x 480	300 x 565 x 500	300 x 665 x 500	300 x 665 x 500
Weight Kg	38	45	53	59

Excellent Arc characteristic over entire range.

Stepless Voltage selection.

Digital Ammeter and Voltmeter.

Forced Air cooling for longer unit life.

Class H insulation.

ARC Force and Hot Start Variation. [ARC]

Crater Voltage , Crater Current , ARC Force,

Anti - Stick. [MIG]

Specification of WIRE FEEDER



Wire Diameter (mm)
Wire Drive Motor (Type)
Drive System (Type)
Wire Speed Control (m/min)
Dimensions (W x L x H) in mm
Weight (Kgs)

0.8 - 1.6
Pancake 24VDC
2 / 4 Roll
Linear Supply 0 to 20
215 x 550 x 290
10

Authorised Dealer

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