



MAGNUS 600 CC / CV

MIG / MAG / ARC / STICK

Specifications:

Input Supply	330-500, 50Hz/60Hz, 3Phase
Switching Device	IGBT
Input KVA @ 600A	32.69 KVA
Current Range	10 - 600 Amps
Voltage Range	14-42Volts
Current @ 60% Duty	600Amps
Current @ 100% Duty	465Amps

Max OCV	70V
Wire feed speed	1.5m/min to 17m/min

Class of protection	IP23
Dimensions (WxLxH)mm	300 x 665 x 500 mm
Weight	59kg

APS provides the most reliable in its class, MAGNUS 600 CC / CV welding equipment. 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.

**CV****3Ph****DC**

Protection features:

- OV - Over Voltage (Indicates supply voltage above 500V)
- UV - Under Voltage (Indicates supply voltage below 330V)
- OC - Over Current (IGBT Over Current Indication)
- OT - Over Temperature (Internal temperature above 70deg)
- SP - Single Phase loss (One of Phase is not connected)

Specification of WIRE FEEDER



Wire Diameter (mm)	0.8 - 1.6
Wire Drive Motor (Type)	Pancake 24VDC
Drive System (Type)	2 / 4 Roll
Wire Speed Control (m/min)	Linear Supply 0 to 20
Dimensions (W x L x H) in mm	215 x 550 x 290
Weight (Kgs)	10

Accessories

Mig Torch**Flowmeter****Co2 Regulator****Pre-Heater****Earthing Clamp**

ADVANCED POWER SOURCES[®] LIMITED

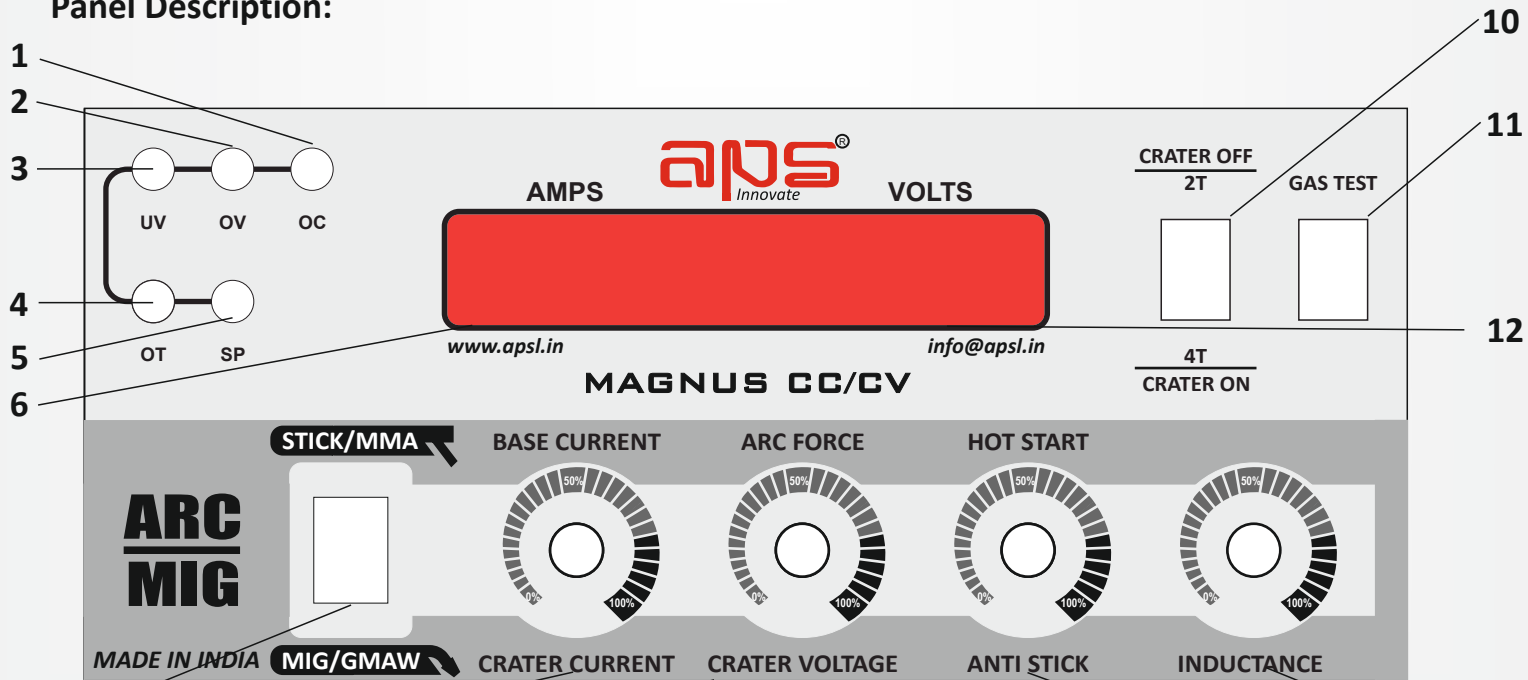
WELDING - CUTTING - GOUGING - AUTOMATION - ACCESSORIES**Registered Office:**

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
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Panel Description:



1 - OC indicator shows Over Current

2 - OV indicator shows Over Voltage

3 - UV indicator shows Under Voltage

4 - OT indicator shows Over Temperature

5 - SP indicator shows Phase Drop

6 - Ammeter

7 - MIG / GMAW or STICK MMA Welding Switch

8 - Crater Current Adjustment Knob [CV Mode]
Base Current Adjustment Knob [CC Mode]

- **Excellent Arc characteristic over entire range.**
- **Stepless Voltage selection.**
- **Digital Ammeter and Voltmeter.**
- **Forced Air cooling for longer unit life.**
- **Class H insulation.**

9 - Crater Voltage Adjustment Knob [CV Mode]
Arc Force Adjustment Knob [CC Mode]

10 - Switch is used to vary either 2T or 4T Operation
and also indicates crater feature to be active only in 4T
mode. [CV Mode]

11 - Gas Test Switch

12 - Voltmeter

13 - Anti Stick Variation Knob [CV Mode]
Hot Start Variation Knob [CC Mode]

14 - Inductance Variation Knob [CV Mode]

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