

CHAMPMULTI 500

500 AMP CAPACITY MIG / FCAW /
MMA / TIG WELDER INVERTER BASED





Key Attributes

- Multi-process welding outfits with an inverter-based welding power source.
- The welding power source has both constant current (CC) and constant voltage characteristics (CV), making it suitable for MMA and MIG/MAG and FCAW applications.
- Power source is protected against single phasing, undervoltage, overvoltage, short circuit, and temperature rise.
- MMA process with this outfit is most suitable for all kinds of electrodes, including CELWEL, for fabrication work, pipe welding, site construction, etc.
- GMAW process is suitable for welding in a semiautomatic/automatic mechanism for welding MS, SS, and Al materials with solid and flux core wires (FCAW mode).

Salient Features

- Single point Synergic control in GMAW.
- User friendly Digital front panel and Digital remote controller with display.
- 2T, 4T and SPOT and Multi Spot operating modes in MIG Mode as well as FCAW mode.
- Dynamic Inductance adjustment in GMAW process and Arc force adjustment in MMA process for better arc control
- Crater voltage and Crater current adjustment through digital panel.
- ERROR CODE DIGITAL DISPLAY ON FRONT PANEL – for easy fault diagnostics

Technical Specifications

Parameter	Value ICCV 500 (Champmulti 500)	Unit
Supply Voltage, Phase, Frequency	415 (+15% - 10%), 3. 50 / 60	V AC, NOS., HZ
Input Power (MMA Power)	18.5 @ 100%; 26.5 @ 60% Duty Cycle	KVA
Efficiency	>87	%
Power Factor	0.93 Max	
Open Circuit Voltage	MMA / TIG: 70; Mig / FCAW: 65	V DC
Welding And Crater Current Range - MIG	65 - 500	A DC
Welding Current Range - CC	MMA: 50-500; TIG: 10-500	A DV
Duty Cycle	387 @ 100%; 500 @ 60%	A DV
Welding And Crater Voltage Range - MIG	14-44 V	V DV
Suitable Welding Electrode Size	2.5, 3.2 , 4, 5, 6 MM Diameter	MM
Suitable Wire Size Dia	0.8, 1.0, 1.2, 1.6 MM Diameter	MM
Cooling	Forced Air	Type



Technical Specifications

Parameter	Value ICCCVR 500 (Champmulti 500)	Unit
Class Of Insulation	H	Class
Degree Of Protection	IP23 (S)	-
Dimensions L X W X H	700 X 460 X 650	MM
Weight (approx.)	57	KG
Wire Feeder	Feedlite 40 NEH-C	-
Wire Feeder Drive Unit	4 Roll PMDC Type	-
Motor Voltage	42	V DC
Wire Speed	1.5 TO 18	MTR/MIN
Wire Spool Capacity	15	KG
Suitable For Wire Diameter	0.8, 1, 1.2, 1.6	MM
Dimensions (LxWxH)	749x274x467	MM
Weight	10	KG (Approx.)
Torch	HIPRO 504 B	Model

Ordering Code

FG Code	Description
F10.37.401.0452	MIG/MAG Welding O/F, Mod E L : Champmulti 500, 5m I/P Cable, W/F: Feedlite-40 (NEH-C) Detach with Spool Cover, Wheel, 5m Intercon Assly, Torch: HIPRO 504 B-4m, 2m Gas Hose, 5m Earth Cable with Clamp, 1.2-1.6mm Knurled Roller, trolley
F10.37.401.0439	MIG/MAG Welding O/F, Mod E L: Champmulti 500, 5m I/P Cable, W/F: Feedlite-40 (NEH-C) Detach with Spool Cover, Wheel, 10m Intercon Assly, Torch: HIPRO 504 B-4m, 2m Gas Hose, 5m Earth Cable with Clamp, 1.2-1.6mm Knurled Roller, trolley
F10.37.401.0453	MIG/MAG Welding O/F, Model : Champmulti 500, 5m I/P Cable, W/F: Feedlite-40 (NEH-C) Detach with Spool Cover, Wheel, 15m Intercon Assly, Torch: HIPRO 504 B-4m, 2m Gas Hose, 5m Earth Cable with Clamp, Gas 1.2-1.6mm Knurled Roller, trolley



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