

Creating the best welding experience



Steadfast Precision
Champ Multi 600

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Inverter based Multipurpose MIG / FCAW / MMA / TIG Welder



SALIENT FEATURES

- Inverter based efficient Multi process DC welding outfit.
- Single point Synergic control in GMAW.
- User friendly Digital front panel and Digital remote controller with display.
- Auto “Weld Stop” when welding torch is taken away from work piece.
- 2T, 4T and SPOT and Multi Spot operating modes in MIG Mode as well as FCAW mode.
- Dynamic Inductance adjustment in GMAW process & 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
- Welding parameter locking with password protection in MIG welding.
- Built in Arc on measurement.

PROTECTIONS WITH AUTO RESET

- Input Supply Voltage protections for over voltage and under voltage
- Over Temperature
- Protection against single phasing.
- Output Short Circuit Protection

Parameter	Value	Unit	
Supply Voltage, Phase, Frequency	415 , +15%, -10%; 3; 50 / 60	Volts AC; No.; Hz	
Input Power @ 100% Duty Cycle	MMA / MIG /FCAW Modes: 22; TIG Mode: 16.5	KVA	
Efficiency	≥ 85	%	
Power Factor	0.93 MAX.	λ	
Open Circuit Voltage @ 415V Input Supply	MMA / TIG Modes: 90; MIG / FCAW Modes: 76	Volts DC	
Welding & Crater Current Range-MIG/FCAW	65-600	Amps DC	
Welding Current Range - MMA and TIG	MMA Mode: 50-600; TIG Mode: 10-600	Amps DC	
Welding Current (at 40°C & 10 Min Duty Cycle)	465 @ 100% Duty cycle ; 600 @ 60% Duty Cycle	Amps DC	
Welding and Crater Voltage Range	14-44 V	Volts DC	
Front Panel Controls and Display Functions	MMA	MIG/MAG	
	<ul style="list-style-type: none"> • Welding Current setting • Arc Force Adjustment • Hot Start Adjustment • Display Set and Actual Welding current • Display Actual Welding voltage 	<ul style="list-style-type: none"> • Crater Current Setting • Crater Voltage Setting • Inductance Adjustment • Display Set wire speed and actual welding current • Display set and actual Welding voltage • 2T/4T selection • Gas Check switch 	
	<ul style="list-style-type: none"> • Welding Mode selection switch • Display Machine Tripping Error numbers against protections. 		
Welding Electrode and Wire Sizes (Dia.)	2.5 -6.3mm Electrodes	0.8mm -1.6 mm Wires	mm
ARC Force Control in MMA Mode	By Pressing ARC Force Encoder Switch % of ARC Force Can Be Adjusted		
Remote Control	Remote Control for Setting Voltage and Current for MMA/MIG/MAG/ TIG Process		
Other Front Panel Functions	Water / GAS Cooling Selector Switch, Dynamic Inductance Adjustment Potentiometer		
Cooling	Forced Air		Type
Class of Insulation	H		Class
Degree of Protection	IP23 (S)		Degree
Dimensions (L X W X H)	700 mm X 460mm X 650 mm		mm
Weight (approx.)	57		Kg

- **Warranty** : One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- **In view of continuous development**, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- **Backed by** dedicated customer care package.

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