

# CHAMP 4 x 403

Multi Operator welding PAYLOAD with inverter based  
MMA welding rectifier



CHAMP 4 x 403

- Inverter based multi operator welding payload for MMA welding application with common Earth (negative terminal) – Ideal for increasing welding productivity at project sites
- High efficiency and high power factor – resulting energy saving
- Suitable to operate with Diesel Generator set
- Current capacity can be enhanced by paralleling the welding outputs



WELDERS TO THE NATION  
**ADOR WELDING LIMITED**

(Formerly Known as Advani Oerlikon Ltd.)  
[www.adorwelding.com](http://www.adorwelding.com)



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Multi Operator welding payload with inverter based MMA welding rectifier



## INTRODUCTION

CHAMP MULTI 4 X 403 is IGBT inverter based welding payload suitable for MMA welding application. 4 welders can work simultaneously with DCEP type of Welding Electrodes. By paralleling the output terminals, one can enhance the working current capacity.

## SALIENT FEATURES

- Latest PWM inverter technology
- IGBT based
- High efficiency (>82%)
- Smooth and stable arc with minimum spatter
- Hot start feature available as a standard
- Adjustable Arc force control for each welder



## SPECIFICATIONS

TECHNICAL SPECIFICATIONS	UNIT	CHAMP 4 x 403
<b>INPUT</b>		
Input Supply: Voltage Phase	Volts. No. Hz	415, +10%, -15% 3 50/60
Frequency		
Max. Input KVA @ 100% duty cycle	KVA	48
@ 60% duty cycle	KVA	60
@ 40% duty cycle	KVA	80
<b>OUTPUT (PER POWER SOURCE)</b>		
Open Circuit Voltage	Volts	64 Vdc
Welding Current Range	Amps	20 - 400
Welding Current @ 40% duty cycle	Amps	400
@ 60% duty cycle	Amps	310
@ 100% duty cycle	Amps	260
<b>GENERAL</b>		
Suitable Welding Electrode size	mm Ø	2.5, 3.2, 4, 5 and 6.3
Arc force setting	-	Adjustable Pot (0-10)
Hot Start setting	-	Adjustable Pot (0-10)
Arc length setting	-	Adjustable Pot (0-10)
Current / Voltage Display	-	7-Segment LED Display
Ingress Protection	Class	IP23
Cooling	Type	Forced Air
Insulation	Class	F
Welding Output Terminals	-	Negative Terminal is common for all four power sources.
Dimensions		
Length	mm	1050
Width	mm	505
Height	mm	1115
Weight (approx.)	Kg	200 Kgs.
<b>ORDERING INFORMATION</b>		<b>PRODUCT CODE</b>
MMA Rectifier PAYLOAD-CHAMP 4X403		F10.34.501.0012

**Warranty:** One year from the date of purchase. 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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