



CHAMP 800

800 AMP CAPACITY WELDING / GOUGING RECTIFIER



Key Attributes

- Three-phase inverter-based, high-efficiency, and high-power factor DC Welder.
- Suitable for long-distance welding with cellulosic electrodes.
- Enhanced reliability due to SMD technology.
- Capable of welding with all types of cellulosic electrodes, including 6010, 7010G, and 8010G.
- Also suitable for heavy-duty welding applications and gouging (with up to 12 mm Gouging Electrodes).
- Arc force adjustment available on the panel.
- Capable of welding with long welding and return cables.
- Protections with auto reset:
 - - Input supply voltage protections for over and under voltage.
 - - Over-temperature.
 - - Protection against single phasing.



CHAMP 800

800 AMP CAPACITY WELDING / GOUGING RECTIFIER

TECHNICAL SPECIFICATIONS

PARAMETERS	VALUE	UNIT
INPUT SUPPLY VOLTAGE, PHASE, FREQUENCY	415 V +15%, -10%; 3; 50 / 60	VOLTS AC, NO., HZ
MAX. INPUT KVA @ 415V SUPPLY	33.6 @ 100% DUTY CYCLE, 43.7 @ 60% DUTY CYCLE	KVA
POWER FACTOR	UPTO 0.9	λ
EFFICIENCY	≥ 85	%
OPEN CIRCUIT VOLTAGE	85 V \pm 3	VOLTS DC
WELDING CURRENT RANGE	50-800	AMPS DC
WELDING CURRENT (AT 40°C, 10 MINUTE DUTY CYCLE)	800 @ 60% DUTY CYCLE, 600 @ 100% DUTY CYCLE	AMPS DC
SUITABLE FOR WELDING ELECTRODE SIZE	2.5, 3.2, 4, 5 AND 6.3	MM \emptyset
SUITABLE FOR GOUGING ELECTRODE SIZE	UP TO 12	MM \emptyset
ARC FORCE SETTING	ADJUSTABLE BY POTENTIOMETER	-
CURRENT DISPLAY (SET CURRENT AND ACTUAL CURRENT)	3 DIGIT -7 SEGMENT DIGITAL PANEL METER	AMPS DC
INGRESS PROTECTION	IP23	RATING
COOLING	FORCED AIR	TYPE
INSULATION	H	CLASS
DIMENSIONS L X W X H	805 X 470 X 895	MM
WEIGHT (APPROX.)	92	KG