



# CHAMP 1200

1200 AMP CAPACITY WELDING / GOUGING RECTIFIER



## Key Attributes

- Three-phase inverter-based, high-efficiency, and high-power factor DC Welder.
- Suitable for normal electrode welding as well as gouging at high currents.
- Enhanced reliability due to SMD technology.
- The CHAMP 1200 has an optional built-in Voltage Reduction Device (VRD) for safety, limiting the machine's open circuit voltage to less than 15V as required in certain areas. An ADOR engineer can easily activate this function inside the power source if needed by the user.
- Protections with auto reset:
  - Input Supply Voltage protections for over and under voltage.
  - Over-Temperature.
  - Protection against single phasing.



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## 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	55 @ 100% DUTY CYCLE	KVA
INPUT SUPPLY CURRENT	76 @ 100% DUTY CYCLE, 92 @ 60% DUTY CYCLE	AMPS AC
POWER FACTOR @ 100% DUTY CYCLE	0.93	$\lambda$
EFFICIENCY 100 DUTY CYCLE	$\geq 85$	%
OPEN CIRCUIT VOLTAGE	90 V (15 V IF VRD IS ENABLED)	VOLTS DC
WELDING CURRENT RANGE	100-1200	AMPS DC
WELDING CURRENT (AT 40°C, 10 MINUTE DUTY CYCLE)	1200 @ 60% DUTY CYCLE, 1000 @ 100% DUTY CYCLE	AMPS DC
SUITABLE FOR WELDING ELECTRODE SIZE	2.5, 3.2, 4, 5 AND 6.3	MM Ø
SUITABLE FOR GOUGING ELECTRODE SIZE	UP TO 15	MM Ø
REMOTE CONTROL (OPTIONAL)	10 METER REMOTE CONTROL PROVIDED AS OPTIONAL FOR CURRENT SETTING	-
CURRENT DISPLAY (SET CURRENT AND ACTUAL CURRENT)	3 DIGIT -7 SEGMENT DIGITAL PANEL METER	AMPS DC
VOLTAGE DISPLAY	3 DIGIT -7 SEGMENT DIGITAL PANEL METER	VOLTS DC
INGRESS PROTECTION	IP23	RATING
COOLING	FORCED AIR	TYPE
INSULATION	H	CLASS
DIMENSIONS L X W X H	930 X 525 X 950	MM
WEIGHT (APPROX.)	92	KG