

BOSSWELD

RELIABLE WELDING GEAR

30%
DUTY CYCLE
AT 250AMPS

PFC
POWER FACTOR
CORRECTION



POWERPULSE 250PFC

DUAL PULSE SYNERGIC
MULTI FUNCTION INVERTER WELDER

POWERPULSE 250PFC

The POWERPULSE 250PFC machine is a new inverter-based MIG/MMA/TIG Welding machine with Synergic Programs and Dual pulse functions. The MIG function allows you to weld with Gas Shielded wire applications giving excellent, professional welding results. Easy step-less adjustment of voltage and wire feed coupled with integrated digital meters allows easy setting of welding parameters.

POWERPULSE 250PFC features MIG welding with Synergic welding programs designed for ease of use with your selected gas mixture. The operator selects the gas mixture and wire diameter they are using then simply start welding. Once this is done the operator can make fine adjustments to the voltage for even greater control of the weld pool. The added Lift-Arc DC TIG capability delivers perfect arc ignition every time and a remarkably smooth stable arc produces high quality TIG welds. TIG functionality includes adjustable Down Slope & Post Gas as well as being gas solenoid-valve equipped. An additional feature is the Spool gun ready function that allows the simple connection of Spool Gun for the use of thin or softer wires that don't have the column strength to feed through MIG torches, such as aluminum wire. In the JOB mode, 100 different JOB records can be stored and recalled, The POWERPULSE 250PFC machine has built-in automatic protection function to protect the machines from over-voltage, over-current and over-heat. If any one of the above problems happens, the alarm lamp on the front panel will be lit and output current will be shut off automatically for the machine to protect itself and prolong the equipment using life.

FEATURES

- New PWM technology and IGBT inverter technology.
- Active PFC technology for increased duty cycle and energy efficiency.
- MIG/MAG with Pulse SYN/Dual pulse SYN/Manual and SYN function
 - Synergic programs for aluminum, mill steel, stainless steel and CuSi
 - JOB mode (Save and call 100 different job records)
 - 2T /4T/S4T/Spot Weld welding mode
 - Function parameter adjustment
- MMA function (Stick electrode)
 - Hot start (improves electrode starting)
 - Adjustable Arc Force
- DC TIG
 - Lift Arc ignition (prevents tungsten sticking during arc ignition)
 - 2T /4T Trigger Control
 - Adjustable Down slope
 - Gas/air cooling mode
- Internal wire feeder, gear driven for up to 300mm Ø spool
- Euro style MIG torch connection
- IP23 rating for environmental/safety protection
- Spool Gun Connection

PACKAGE INCLUSIONS

- Bossweld 250A MST Double Pulse Mig 240V
- Bossweld Binzel Style BZ36 Complete MIG Torch Ergon 3Mt
- Argon Twin Gauge Regulator
- 3mt Gas Hose with Quick connection
- Arclead Set 230A 6Mt EH/4Mt EC
- 2 x Bossweld Drive Roller 1.0/1.2mm U Groove (Aluminium)
- 2 x Bossweld Drive Roller 0.8/1.0mm V Groove (Mild Steel)
- Bossweld Binzel Style Red Teflon Liner 0.9 - 1.2mm 3Mt

ORDERING INFO

Part Number	Description
660250	Bossweld Powerpulse 250PFC



TECHNICAL DATA

Technical Data	POWERPULSE 250PFC
Power Supply: 1 Phase 240V 50-60 HZ +/-15%	Yes
Welding Voltage Range MIG	14.8-26.5V
Duty Cycle @ 40°C MIG/TIG/MMA	30% @ 250A
Open Circuit Voltage	55.3V
Output Current Range MIG	15-250Amps
Output Current Range TIG/MMA	10-250Amps
I Max MIG	35Amp
I Max MMA	40Amp
I ieff MIG	19Amp
I ieff MMA	22Amp
Power factor	0.99
Protection Class	IP23
Insulation Class	H
MIG Wire Diameter Range	Mild Steel: 0.6/0.8/0.9/1.0/1.2 Stainless Steel: 0.8/0.9/1.0/1.2 Flux-Cored: 0.6/0.8/0.9/1.0/1.2 Aluminium :1.0/1.2
Electrode Diameter Range	1.6mm - 5.0mm
Thermal overload protected	Yes
Power Source Dimensions	69 x 24 x 45cm
Power Source weight	27Kg
Power Source Warranty	2 Years