



MINI SERIES

The **PATON MINI inverter rectifier** is designed for direct-current manual arc welding. The MINI series of welding machines is intended for that users who need a portable, fully functional welder with a rated current of up to 150A. Such current is sufficient for welding by using any welding electrodes from 1.6 mm through 4.0 mm in diameter, with a duty cycle up to 40 percent, allowing welding works to be performed in household conditions, for example at country sites, small workshops, and motor transport enterprises.

Purpose:

Performing household tasks - welding of metal pipes (water/gas), chimneys and drains from stainless steel, metal loops, sheets of corrugated board, arrangement of territories of country sites and apartment houses, greenhouses, canopies, gazebos, fences.

Properties and advantages:

- In addition to protection against voltage surges, the system of stabilization of work at big long-term voltage fluctuations in a power supply network from 170 to 260 V is established.
- Adapted to a standard household power supply network. Due to the high efficiency, the source provides twice less power consumption compared to transformer welding machines;
- Increased comfort due to good duty cycle at rated current;
- Increased reliability of the machine in the conditions of dusty production;
- All electronics in the device are impregnated with two layers of high-quality varnish that provides reliability of a product during all service life;
- Smooth regulation of welding current and improved arc combustion stability.



MMA



OVERVOLTAGE PROTECTION



WORKS WITH WEAK POWER NETWORKS



FORCED COOLING

IGBT

TECHNOLOGY



HOT START



ARC-FORCE



ANTI-STICK



WORK FROM GENERATOR



LONG CABLES COMPATIBILITY

3 years
warranty

MINI DC MMA

TECHNICAL SPECIFICATIONS

PARAMETERS:

	MINI
Rated mains voltage 50Hz, V	230
Rated current consumption from the mains phase, A	18,5
Rated welding current, A	150
Maximum operating current, A	180
Duty cycle	40% at 150A / 100% at 94A
Supply voltage variation limits, V	170 - 260
Welding current control limits, A	20 - 150
Hot Start function	Automatic
Arc-Force function	Automatic
Anti-Stick function	Automatic
Idle voltage, V	up to 80
Arc ignition voltage, V	110
Rated power consumption, kVA	4,0
Maximum power consumption, kVA	5,0
Cooling	Forced
Overall dimensions (length, width, height), mm:	200 x 100 x 235
Standards	EN IEC 60974-1
Insulation class H	H
Weight, kg	3,3
Protection class	IP33

DELIVERY SET MINI/MINI-C:

Welding cables with an ABICOR
BINZEL electrode holder and
«ground» terminal

Belt for carrying the
machine on the shoulder

PATON branded
corrugated box
for MINI model

PATON branded
plastic case
for MINI-C model



COMPLETE