

ECO-160 • 200 • 250

5 years
warranty

PATON INVERTER WELDING MACHINES OF THE ECO SERIES

are intended for direct current welding in the MMA mode of a wide range of materials by means of the corresponding type of coated electrodes. Due to their compactness, ease of use, and high productivity, these devices meet the most common requirements of a wide range of welders — from beginners to professionals.



Input



Output



Processes



PARAMETERS

	ECO-160 / ECO-160-C	ECO-200 / ECO-200-C	ECO-250 / ECO-250-C
Rated power supply voltage, V		220/230	
Rated current consumption from the mains phase, A	20	25	32
Rated welding current, A	160	200	250
Maximum operating current, A	190	240	300
Operating load factor (LD), %	40% / 160A 100% / 101A	40% / 200A 100% / 126A	40% / 250A 100% / 158A
Power supply voltage range, V		170–260	
Welding current control range, A	20–160	25–200	32–250
Diameter of a stick electrode, mm	1,6–4,0	1,6–5,0	1,6–6,0
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	4,4	5,5	7,0
Maximum power consumption, kVA	5,5	6,9	8,8
Protection rate		IP33	
Standards		EN IEC 60974-1	
Insulation class		H	
Cooling		Forced	
Overall dimensions, L×W×H, mm	200 × 100 × 260	270 × 110 × 270	
Weight, kg	3,7	4,0	4,3

ADVANTAGES



LONG CABLES
COMPATIBILITY



WORK FROM
GENERATOR



ANTI-STICK



ARC-FORCE



HOT START

IGBT

TECHNOLOGY



WORK WITH
WEAK POWER
NETWORKS

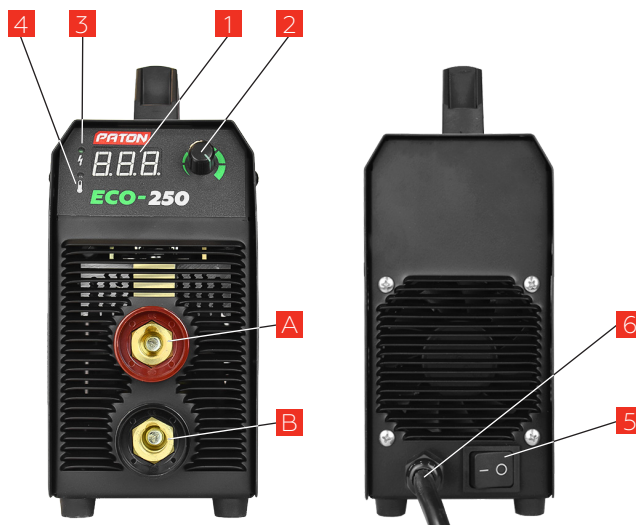


OVERVOLTAGE
PROTECTION

FRONT CONTROLS



- 1 Digital seven-segment display
- 2 Regulator of welding current
- 3 Power supply status indicator
- 4 Unit operation indicator
- 5 Mains breaker
- 6 Power supply cable
- A Bayonet-type power current socket "+"
- B Bayonet-type power current socket "-"



APPLICATIONS

- welding both in everyday life (residential buildings and country sites, garage workshop) and for professional use (installation and repair of pipelines, heating systems, etc.);
- manufacture and installation of steel frames;
- welding in construction.



COMPLETE SET



- 1 — Welding cables with ABICOR BINZEL electrode holder and «ground» terminal
- 2 — Belt for carrying the device on the shoulder
- 3 — Branded case PATON (for ECO-160-C/200-C/250-C)

1



2



3

