



# ECO SERIES

**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. The key advantage of the ECO series is the combination of small mass parameters with high workflow characteristics.

## Properties and advantages:

- Economical power consumption;
- Build-in low and high voltage protection system – extends the life span of the device;
- Work with weak electric networks – the minimum drawdown of a power supply network;
- Easy to set up and use.



**5 years  
warranty**



MMA



OVERVOLTAGE  
PROTECTION



WORKS WITH  
WEAK POWER  
NETWORKS



FORCED  
COOLING

**IGBT**

TECHNOLOGY



HOT START



ARC-FORCE



ANTI-STICK



WORK FROM  
GENERATOR



LONG CABLES  
COMPATIBILITY

# ECO-160 • 200 • 250 DC MMA

## TECHNICAL SPECIFICATIONS

<b>PARAMETERS:</b>	<b>ECO-160/ ECO-160-C</b>	<b>ECO-200/ ECO-200-C</b>	<b>ECO-250/ ECO-250-C</b>
Rated mains voltage 50Hz, V	230	230	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
Duty cycle	40% at 160A 100% at 101A	40% at 200A 100% at 126A	40% at 250 A 100% at 158 A
Power supply voltage range, V	170 - 260	170 - 260	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		
Idling voltage, V	up to 80		
Arc striking voltage, V	110		
Rated power consumption, kVA	4,4	5,5	7,0
Maximum power consumption, kVA	5,5	6,9	8,8
Cooling	Forced		
Overall dimensions, WxLxH, mm	200 x 100 x 240	270 x 110 x 240	270 x 110 x 240
Standards	EN IEC 60974-1		
Insulation class H	H		
Weight, kg	3,7	4,0	4,3
Protection class	IP33		

## DELIVERY SET ECO-160/200/250:

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

Belt for carrying the  
machine on the shoulder

PATON branded  
corrugated box for ECO-  
160/200/250

PATON branded  
plastic case  
for ECO-160-C/200-  
C/250-C



# COMPLETE