

ProMIG-350-15-2-400V SF ProMIG-500-15-4-400V ProMIG-630-15-4-400V



2 years
warranty

INDUSTRIAL INVERTER MIG/MAG MACHINES PATON

PROMIG-350/500/630 are designed for MIG/MAG, TIG, and MMA in the environment of protective gases and mixtures on a direct current in industrial conditions. These machines are powered by a powerful three-phase power-supply network 400V, and provide almost continuous operation at their rated currents of 350A, 500A and 630A correspondingly, which is enough to work with any electrodes from Ø1.6 mm to Ø8 mm and welding with solid wire with a diameter of Ø0,6 mm to Ø2,0 mm. A distinctive feature of PATON MIG/MAG machines is a potent, high-quality metal 4-roller wire feed mechanism with a sealed motor.



Processes



MIG/MAG



MMA DC
(pulse)



TIG DC
(pulse)

Input



Output



PARAMETERS

	ProMIG-350 SF	ProMIG-500	ProMIG-630
Rated voltage of mains 50 / 60Hz, V	3 x 380, 3 x 400	3 x 400	3 x 400
Rated current consumption from the mains phase, A	16 - 18,5	30 ... 35,5	42 ... 49
Rated welding current, A	350	500	630
Maximum operating current, A	450	630	800
Supply voltage variation limits, V		±15%	
Duty cycle, %	70% / at 350A 100% / at 290A	70% / at 500A 100% / at 420A	70% / at 630A 100% / at 520A
Limits of regulation of welding current, A	14... 350	16... 500	18 ... 630
Limits of regulation of welding voltage, V	12 ... 30	12 ... 40	12 ... 44
Standards		EN IEC 60974-1	
Protection class		IP21	
Insulation class		H	
Operating temperature range		-25 ... +45°C	
Welding wire diameter, mm	0,6 ... 1,6	0,6 ... 1,6	0,6 ... 2,0
Welding pulse modes		MMA: 0,2...500Hz; TIG: 0,2...500Hz; MIG/MAG: 5...500Hz	
Arc striking voltage, V		110	
Rated consumption power, kVA	10,7... 12,3	19,9... 23,6	27,8 ... 32,5
Maximum power consumption, kVA	15,3	29,0	40,1
Cooling		Adaptive	
Wire feeder mechanism		4 roller	
Maximum weight of the coil, kg		18	

ADVANTAGES



LONG CABLES
COMPATIBILITY



WORK FROM
GENERATOR



DOUBLE CASE

IGBT

TECHNOLOGY



OVERVOLTAGE
PROTECTION



INDUCTION
FUNCTION



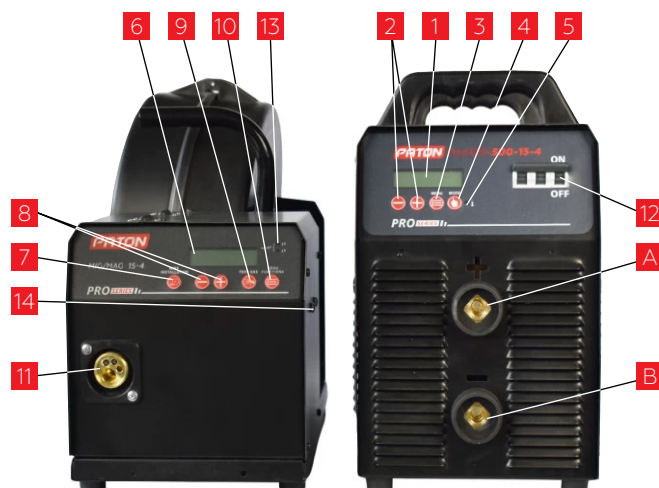
STORING PROGRAMS
IN EACH WELDING
MODE

2T/4T

TWO-STROKE /
FOUR-STROKE MODE

FRONT CONTROLS

- 1 Digital display
- 2 Buttons for adjusting the selected parameter to decrease and increase
- 3 Source function selection button in the used welding mode
- 4 Welding mode selection button
- 5 Unit overheating indicator
- 6 Digital display of the wire feeder
- 7 Wire threading button (no gas is supplied)
- 8 Buttons for decreasing and increasing parameters
- 9 Button for testing shielding gas supply (wire is not fed)
- 10 Button for selecting functions of the wire feeder
- 11 EURO type KZ-2 connector for connecting a semi-automatic torch
- 12 Breaker for turning on/off the welding current source
- 13 Torch button mode indicators (mode 2T/4T/alt.4T)
- 14 Welding torch holder attachment point
- A Bayonet-type power current socket "+"
- B Bayonet-type power current socket "-"



APPLICATIONS

A wide range of welding works at any format manufacturing and service industrial enterprises, especially those working in the fields of metallurgy, metalworking, shipbuilding, and ship repair.



COMPLETE SET



- 1 – Fitting for quick-release gas hose connection, set of rollers for 4 diameters of steel and 2 diameters of aluminum wire
- 2 – Welding cables with ABICOR BINZEL electrode holder and «ground» terminal (for ProMIG-350-15-4-400V SF model)
- 3 – Welding cable with ABICOR BINZEL and «ground» terminal
- 4 – Protective cover

1



2



3



4



COMPATIBILITY WITH PUSH-PULL TORCHES

WITH SPECIAL ORDER



COMPATIBILITY WITH LARGE DIAMETER WIRE

WITH SPECIAL ORDER

Up to 2.5 mm for solid wire and
up to 4.0 mm when using a flux-cored wire

COMUNICATION CABLES SET



MODEL	LENGTH
CCS-350-1P	1m
CCS-350-5P	5m
CCS-350-10P	10m
CCS-350-20P	20m
CCS-500-1P	1m
CCS-500-5P	5m
CCS-500-10P	10m
CCS-500-20P	20m
CCS-630-1P	1m
CCS-630-5P	5m
CCS-630-10P	10m
CCS-630-20P	20m