

PRO-270-400V · PRO-350-400V PRO-500-400V · PRO-630-400V



PATON PROFESSIONAL INDUSTRIAL DIGITAL WELDING

INVERTERS are designed for welding in MMA, TIG, and MIG/MAG modes. The machines are powered by an industrial three-phase network 380/400V and operate on rated welding currents from 270A (PRO-270-400V) to 630A (PRO-630-400V). They have an increased protection class, a high duty cycle, and more than 30 parameters for adjustment in three welding modes. Thanks to the function of the current-voltage characteristic slope changing, the machines can weld with electrodes with any type of coating.



Processes



Input



Output



PARAMETERS

	PRO-270	PRO-350	PRO-500	PRO-630
Rated power supply voltage, V	380/400	380/400	380/400	380/400
Rated current consumption from the mains phase, A	12-14	16-18,5	30-35,5	42-49
Rated welding current, A	270	350	500	630
Maximum operating current, A	350	450	630	800
Duty cycle (DC), %	70%/ 270A 100%/ 225A	70%/ 350A 100%/ 290A	70%/ 500A 100%/ 420A	70%/ 630A 100%/ 520A
Power supply voltage range, V	±15%			
Welding current control range, A	12 - 270	14 - 350	16 - 500	18 - 630
Diameter of a stick electrode, mm	1,6-6	1,6-6	1,6-8	1,6-8
Hot-Start Function	Adjustable			
Arc-Force Function	Adjustable			
Anti-Stick Function	Auto			
Idling voltage, V	12/75			
Arc ignition voltage, V	110			
Rated power consumption, kVA	7,9-9,3	10,6-12,2	19,8-23,5	27,7-32,4
Maximum consumption, power kVA	11,3	15,2	28,9	40,0
Protection rate	IP33	IP33	IP33	IP33
Cooling	Adaptive			
Overall dimensions, WxLxH, mm	390x145x335	390x145x335	510x180x385	510x235x410
Weight, kg	10,5	10,9	21,7	24,2
Standards	EN IEC 60974-1			
Insulation class	H			
Protection rating	IP33	IP33	IP23	IP23

ADVANTAGES



LONG CABLES
COMPATIBILITY



WORK FROM
GENERATOR



ANTI-STICK



PULSE



ARC-FORCE



HOT START



IGBT
TECHNOLOGY



WORK WITH
WEAK POWER
NETWORKS



OVERVOLTAGE
PROTECTION

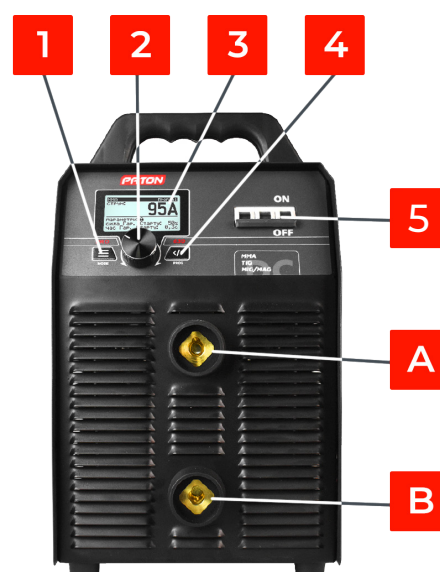


STORING PROGRAMS
IN EACH WELDING
MODE

FRONT CONTROLS



- 1 Welding mode selection button "MODE"
- 2 The regulator for selecting the functions (parameters) of the current mode
- 3 Digital display
- 4 Welding program selection button
- 5 Source circuit breaker
- A Bayonet-type power current socket "+"
- B Bayonet-type power current socket "-"



APPLICATIONS

A wide range of welding works at manufacturing and service industrial enterprises, especially those working in the fields of metallurgy, metalworking, shipbuilding, and ship repair, as well as enterprises in the mining industry, fuel and energy complex.



COMPLETE SET



- 1 – Welding cables with ABICOR BINZEL electrode holder and «ground» terminal
- 2 – Belt for carrying the machine on the shoulder (for PRO-270-400V, PRO-350-400V)
- 3 – Branded corrugated PATON box



FULLY COMPATIBLE WITH PATON FEEDER MACHINES



PATON 315A.20 REMOTE CONTROL WITH SPECIAL ORDER

