

WELDER INVERTER MMA/TIG LIFT PATON

PRO-350 400V



Paton PRO-350 MMA/TIG Lift welder inverter – basic data

The PATON PRO-350 400V MMA/TIG Lift welder inverter is designed for manual MMA arc welding, argon shielded TIG arc welding with direct current, and semi-automatic MIG/MAG welding with shielded gases and protective mixtures.

This model achieves a duty cycle of 70% at its full nominal current of 350A, which is sufficient for working with any electrodes from $\Phi 1.6\text{mm}$ up to fusible $\Phi 6\text{mm}$, as well as semi-automatic welding with solid wire from $\Phi 0.6\text{mm}$ to $\Phi 1.4\text{mm}$ (MIG/MAG welding is possible after purchasing a wire feeder). The device is set to optimal values for most use cases. Demanding users can select each parameter individually.

The PRO series offers full electronic control, which allows greater control of the welding process for each selected method, as well as enabling the maximum potential of the equipment. PRO series welding inverters are dedicated for industrial use, as well as for the most demanding home users.

The main advantages of the Paton PRO-350 MMA welding machine

- European production of welding machines
- Electronic thermal protection system that protects all heat-generating components from overheating
- Possibility to connect an external wire feeder
- Possibility to work with long extension cables as well as with a generator
- Availability of pulse current welding mode in all methods
- Improved arc glow stability
- Hot-Start, Arc-Force and Anti-Stick functions
- The devices, in addition to protection against line voltage spikes and dips, have a system for stabilizing operation during prolonged changes in phase-to-phase line voltage and enable proper operation for the voltage range from 320V to 440V
- Twice lower power requirements compared to traditional sources
- Optimal fusion and correct stitch shape regardless of welding position



Rated power supply voltage 50/60 Hz	3x400 V
Rated power supply current	16 – 18 A
Rated welding current	350 A
Maximum operating current	450 A
Operating load factor %	70% at 350 A 100% at 290 A
Power supply voltage range	$\pm 15\%$ V
Welding current control range	16 – 350 A
Welding current control range	12 – 30 V
Diameter of a stick electrode	1,6 – 6,0 mm
Diameter of electrode wire	0,6 – 1,4 mm
Welding processes with a pulse welding mode	MMA: 0,2...500 Hz TIG: 0,2...500 Hz MIG/MAG: 5...500 Hz
Function "Hot-Start"	Adjustable
Function "Arc-Force"	Adjustable
Function "Anti-Stick"	Automatic
Reduction of open-circuit voltage	ON/OFF
Open-circuit voltage	12 / 75 V
Welding arc starting voltage	110 V
Rated consumed power	10,5 – 11,8 kVA
Maximum consumed power	15 kVA
Efficiency coefficient	90%
Cooling	Automatic
Operating temperature range	-25 ... +45 °C
Fulfilled standards:	EN 60204 – 1:2006 EN 60974 – 1:2012 EN 60974 – 10:2014
Overall dimensions (length, width, height)	388 x 144 x 332
Weight	10,9 kg
Protection class*	IP 33