

With inverter technology, the PROGYS 220 FV CEL is a single-phase 220 A MMA power source that meets the professionals' requirements. Designed around reinforced electronics, this workstation can easily weld cellulosic, rutile or basic electrodes. It is also equipped with the TIG lift (DC) process which ensures high quality weld beads, even on thin sheets. Robust and versatile, the PROGYS 220 FV CEL offers the user great welding comfort and maximum productivity.

4 welding modes (MMA & TIG DC)

Welds basic, rutile and cellulosic electrodes up to Ø 5 mm thanks to 2 MMA modes :

- **MMA Standard**
- **Adjustable Pulse MMA** : ideal for welding in the vertical upright position.
- **TIG Lift** : ignition by simply touching the workpiece.
TIG welding help : Automatic arc fading
- **Adjustable TIG Pulse** : facilitates the welding of very thin sheets (0.3 mm) and increases bead penetration



Supplied with :

- Earth clamp (3m / Ø25 mm²)
- Electrode holder (3m / Ø25 mm²)

Optional



Integrated welding helps in MMA

- **Adjustable Hot Start** : generates an overcurrent at start-up to facilitate ignition and reduce welding defects.
- **Adjustable Arc Force** : regulates arc length deviations and offers comfort to the welder.
- **Antisticking** : prevents the electrode from sticking if it comes into contact with the workpiece.

Reinforced security

- **VRD (Voltage Reduction Device)** : lowers the no-load voltage (< 30V) to secure welders in specific environments (mines, chemical plants, shipyards, etc.)
- **Protection class IP23** : ideal for outdoor and indoor environments (environments subject to dust or light rain).
- **Anti-Dust (AD)** : Ventilation tunnel against external pollution.

Main setting

- Process selection (MMA / TIG)
- Welding current (standard/pulse)
- Electrode selection (basic, rutile, cellulosic)



Secondary settings

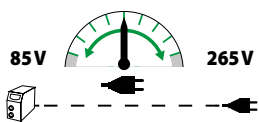
- Arc Force (MMA)
- Hot Start (MMA)

In pulsed mode (MMA & TIG) :

- Pulse frequency (Hz)
- Percentage cold current (%)

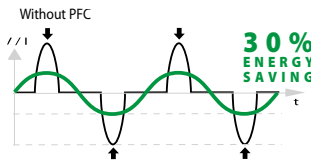
HIGH-TECH POWER SUPPLY

FV FLEXIBLE VOLTAGE



The device works on a simple 230V-16A or 110V-32A plug, even in intensive use and on site extensions (100m).

PFC POWER FACTOR CORRECTION 30% energy saved



PFC technology suppresses peaks and regulates the supply current. Also allows the use of extension cords or generators and contributes to a better current stability during the welding phase.

P400 PROTEC 400

Can withstand occasional or permanent voltage variations on the electrical network up to 400V (lightning, generator, load shedding loads...)

50/60 Hz	I ₂ MMA A	I ₂ TIG A	INTEGRATED TECHNOLOGY							EN 60974-1 (40 °C) MMA		EN 60974-1 (40 °C) TIG		U ₀ V	cm / Kg	IP	Protected & compatible power generator (+/-15%)		
			HS	AF	Anti Sticking	TIG Lift	VRD	P400	AD	CEL	IA (60%)	X% (I ₂ max)	IA (60%)				X% (I ₂ max)	10 kW	12.5 kVA
230 V	16	10 → 220	5 → 220	•	•	•	•	•	•	•	130 A	20%	150 A	25%	86	42 x 21 x 35 / 10.5	IP 23	10 kW	12.5 kVA
110 V	32	10 → 120	5 → 140								90 A	30%	120 A	40%	80				