CONVEX MOBILE / CONVEX MOBILE PULSE

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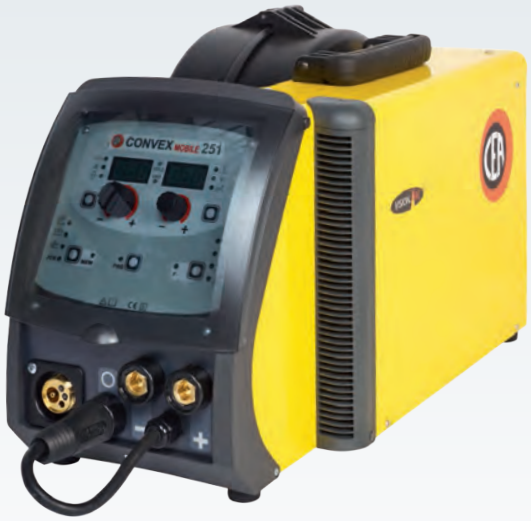


SYNERGIC MULTIPROCESS INVERTER COMPACT POWER SOURCES

Powerful welding equipment in the size of just one wire feeder unit: this is the main peculiarity of CONVEX MOBILE series, innovative multiprocess synergic power sources for welding in MIG/MAG, MMA and TIG with "Lift" mode.

Versatile, easy-to-carry and user friendly, CONVEX MOBILE equipment are greatly appreciated, also thanks to their very high technological conception, anywhere high quality welding is required and are ideal for on-site work, maintenance job, car body repair and light fabrication work.

CONVEX MOBILE PULSE, because of its additional Pulse and Dual Pulse facility, grants very high quality performance on all materials and particularly on stainless steel, zinc coated and aluminium, by greatly minimizing any reworking job due to spatters.

CONVEX MOBILE 201 and 205 PULSE, with single phase input power, have PFC facility which optimizes the amount of energy consumption by allowing their use, at maximum power, on 16 A fuse mains and with power generator sets without any problems.

1~ 3~ CC CV inverter DC + - SYN DIGITAL 888 LIFT GOES GREEN

- ▶ Multiprocess power sources: MMA - TIG LIFT - MIG/MAG Synergic & Manual and for CONVEX MOBILE PULSE, PULSED MIG and DUAL PULSE
- ▶ Digital control of the welding parameters with synergic curves preset according to used type of material, gas and wire diameter
- ▶ User friendly and easy-to-use selection and recalling of the parameters and welding programs
- ▶ Ability to store personalized welding parameters up to 99 JOBS
- ▶ " Smart PROGRAM" key for quickly selecting any program
- ▶ Built-in polarity changeover facility for most common gas and gasless wires
- ▶ Very contained size and weight
- ▶ Suitable for 300 mm Ø wire spools
- ▶ Professional double groove feeding mechanism with 4 rolls of 37 mm diameter replaceable without any tool
- ▶ "Energy saving" function to operate the power source cooling fan only when necessary
- ▶ Excellent arc striking always precise and efficient
- ▶ Initial and final crater control
- ▶ VRD – Voltage Reduction Device
- ▶ Possibility to use Up/Down torches

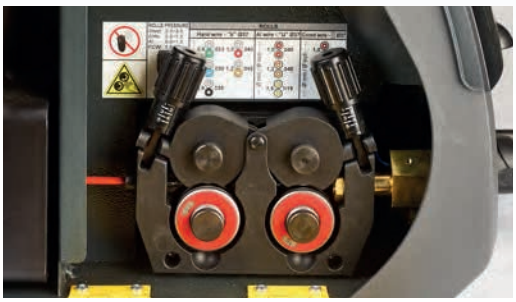
PFC sinus

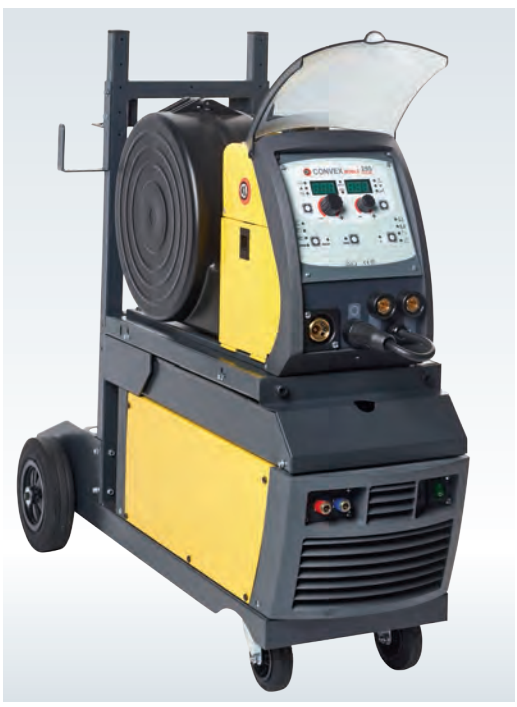
PFC - (CONVEX MOBILE 251 - CONVEX MOBILE 255 PULSE) Power Factor Correction foroptimizes the amount of energy consumption by allowing their use, at maximum power, on 16 a fuse mains.

vision.COLD

SPECIAL WELDING PROCESS
(CONVEX MOBILE 251 - CONVEX MOBILE 255 PULSE)

vision.COLD for MIG/MAG welding small thickness with reduced heat input





CT40 gas cylinder trolley for HR 32/30 watercooling and optional storage compartment only for CONVEX MOBILE 251 - CONVEX MOBILE 255 PULSE

VISION.ARC

vision.ARC is the innovative welding arc control developed by CEA granting a short arc extremely stable and precise in spite of any change of the external conditions. vision.ARC ensures outstanding performances, impossible to be obtained by traditional power sources.

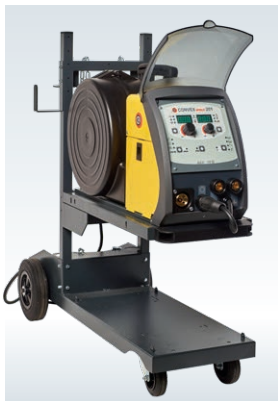
VISION.PULSE (CONVEX MOBILE PULSE)

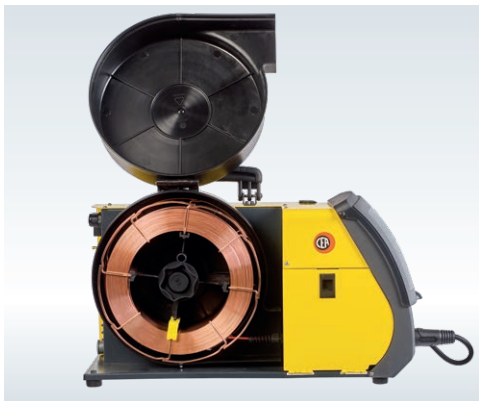
vision.PULSE permits a short arc pulse welding, constantly controlled, by optimizing the results of traditional pulse welding. This enables to reduce the high heat input, typical in pulse welding, with a consequent reduction in distortions, an improvement in the puddle and considerable increase in welding speed too.

DUAL.PULSE (CONVEX MOBILE PULSE)

Dual Pulse favours a further reduction in the heat transfer to the workpiece by minimizing its deformation and produces premium quality aesthetic beads similar to TIG finishing.

Dual Pulse is extremely useful mostly when welding aluminium and stainless steel.





TECHNICAL DATA		CONVEX MOBILE 201 / CONVEX MOBILE 205 PULSE			CONVEX MOBILE 251 / CONVEX MOBILE 255 PULSE		
		MIG/MAG	TIG DC	MMA	MIG/MAG	TIG	MMA
Single phase input 50/60 Hz	V +15% -15%	230	230	230	----	----	----
Three phase input 50/60 Hz	V +15% -15%	----	----	----	400	400	400
Input Power @ I_2 Max	kVA	6	4,6	7,1	10	8,5	11
Delayed Fuse (I_{eff})	A	16	16	16	16	10	16
Power Factor / cos φ		0,85/0,99	0,85/0,99	0,85/0,99	0,74/0,99	0,69/0,99	0,77/0,99
Efficiency Degree		0,80	0,80	0,80	0,89	0,86	0,90
Open circuit voltage	V	45	45	45	60	60	60
Current range	A	10 - 200	5 - 200	10 - 200	10 - 250	5 - 250	10 - 250
Duty cycle at (40°C)	A 100%	105	105	105	180	180	180
	A 60%	140	140	140	200	200	200
	A X%	200 (25%)	200 (25%)	200 (25%)	250 (35%)	250 (35%)	250 (35%)
Wires	Ø mm	0,6 - 1,2	---	---	0,6 - 1,2	---	---
Standards		EN 60974-1 • EN 60974-5 • EN 60974-10			EN 60974-1 • EN 60974-5 • EN 60974-10		
		S			S		
Protection Class	IP	23 S			23 S		
Insulation Class		H			H		
Dimensions	↗ mm	650			650		
	→ mm	300			300		
	↑ mm	388			388		
Weight	kg	20			21		

Other voltages available on request

Technical features might change without notice