



CONVEX BASIC



MULTIFUNCTION INVERTER POWER SOURCES FOR MIG/MAG, MMA AND TIG WELDING

Latest generation inverter technology with digital control is the main feature of the multifunction CONVEX BASIC series. Innovative, technologically ahead, robust and easy-to-use, they offer premium quality welding in MIG/MAG, MMA and TIG with “Lift” mode and represent the best solution for the most qualified welding applications in any industrial field requiring high precision and repeatability of the achieved results.

CONVEX BASIC's are ideal for anybody looking for an innovative, modern and, at the same time, user friendly equipment, more similar in the adjustments of the parameters to a traditional power source. CONVEX BASIC 330, 400 e 500 are supplied with a separate wire feeder, whilst CONVEX BASIC 320 is designed with a built-in one.

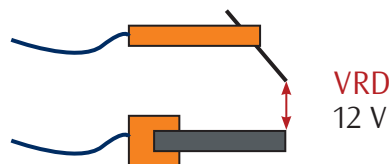
WHY TO CHOOSE CONVEX BASIC?

- ▶ Excellent welding quality
- ▶ Welding process always under control thanks to the digital adjustment of all parameters

- ▶ Multiprocess equipment with exceptional welding characteristics in MIG/MAG, MMA and TIG.
- ▶ Excellent arc striking always precise and efficient
- ▶ 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
- ▶ Ability of presetting welding parameters
- ▶ Initial and final crater control
- ▶ Monitoring and repeatability of the welding parameters
- ▶ Low energy consumption
- ▶ “Energy Saving” function to operate the power source cooling fan and torch water cooling only when necessary
- ▶ Mains voltage fluctuation automatic compensation within +20% -20%

VRD - VOLTAGE REDUCTION DEVICE

VRD device reduces open circuit voltage below 12V and grants additional safety protection for the operator in all highly hazardous environments.



ACCESSORIES

- Water cooling and gas cylinder trolley
- Wire feeder castors kit
- RC 176 remote control
- HR 30 water cooling equipment
- Autotransformer
- Water cooling trolley suitable for two gas cylinders and /or autotransformer



| TECHNICAL DATA | | CONVEX BASIC | | | |
|-------------------------------------|--|---------------------------------------|-----------|-----------|-----------|
| | | 320 | 330 | 400 | 500 |
| Three phase input 50/60 Hz | V $\begin{matrix} +20\% \\ -20\% \end{matrix}$ | 400 | 400 | 400 | 400 |
| Input Power @ I ₂ Max | kVA | 14,3 | 15 | 18,6 | 25,6 |
| Delayed Fuse (I ₂ @ 60%) | A | 20 | 20 | 25 | 35 |
| Power Factor / cos ϕ | | 0,86/0,99 | 0,86/0,99 | 0,90/0,99 | 0,94/0,99 |
| Efficiency Degree | | 0,85 | 0,84 | 0,88 | 0,89 |
| Open circuit voltage | V | 63 | 63 | 70 | 70 |
| Current range | A | 10 - 320 | 10 - 330 | 10 - 400 | 10 - 500 |
| Duty cycle at (40°C) | A 100% | 240 | 280 | 310 | 380 |
| | A 60% | 270 | 300 | 370 | 460 |
| | A X% | 320 (40%) | 330 (40%) | 400 (50%) | 500 (50%) |
| Wires | Ø mm | 0,6 - 1,2 | 0,6 - 1,2 | 0,6 - 1,6 | 0,6 - 2,0 |
| Standards | | EN 60974-1 • EN 60974-5 • EN 60974-10 | | | |
| | | S | | | |
| Protection Class | IP | 23 S | 23 S | 23 S | 23 S |
| Insulation Class | | H | H | H | H |
| Dimensions | ↗ mm | 660 | 660 | 660 | 660 |
| | → mm | 290 | 290 | 290 | 290 |
| | ↑ mm | 515 | 515 | 515 | 515 |
| Weight | kg | 39 | 35 | 39 | 43 |

Other voltages available on request

These power sources are built for industrial environment use. EMC (CISPR 11): class A

