



CONVEX 420 YARD



MULTIVOLTAGE MULTIFUNCTION INVERTER POWER SOURCES

Multivoltage CONVEX YARD equipment, thanks to their highly electrical efficient inverter with digital control of all the parameters, can be connected to mains voltage supply ranging from 200V to 460V.

These multiprocess power sources have been optimized in MMA welding to be suitable with any kind of electrodes, cellulosic included, enable TIG welding with "Lift" mode and can be utilized in gouging jobs too. Combined with HS 5 or SHS feeders, they offer premium welding quality in MIG/MAG.

CONVEX YARD power sources, innovative, robust and easy-to-use, are the ideal solution whenever looking for a modern welding equipment for site or other harsh applications.



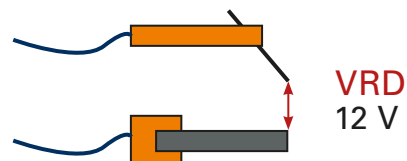
WHY TO CHOOSE CONVEX YARD?

- ▶ Multivoltage equipment for 220/230/240 V 3ph 50/60 Hz 380/400/440 V 3ph 50/60 Hz
- ▶ Mains voltage fluctuation automatic compensation within +20% -20%
- ▶ Optimized in MMA welding with all electrodes, cellulosic included
- ▶ Inverter with high electrical efficiency ($\eta=0.86$) and elevated Power Factor (PF=0,95)
- ▶ Particularly designed to be operated by power generator sets
- ▶ 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, GOUGING and TIG
- ▶ Excellent arc striking always precise and efficient thanks to WSC – Wire Start Control
- ▶ 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 when necessary



VRD - VOLTAGE REDUCTION DEVICE

VRD device reduces open circuit voltage below 12 V 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 166 remote control
- Water cooling trolley suitable for two gas cylinders and/or autotransformer
- Polarity changeover



TECHNICAL DATA		CONVEX 420 YARD	
Three phase input 50/60 Hz	V $\begin{matrix} +20\% \\ -20\% \end{matrix}$	220/230/240	380/400/440
Input Power @ I ₂ Max	kVA	14,3	17,0
Delayed Fuse (I ₂ @ 60%)	A	30	20
Power Factor / cos φ		0,95/0,99	0,95/0,99
Efficiency Degree		0,84	0,86
Open circuit voltage	V	72	72
Current range	A	10 - 350	10 - 400
Duty cycle at (40°C)	A 100%	270	330
	A 60%	310	360
	A 40%	350	400
Wires	Ø mm	0,6 - 1,2	0,6 - 1,6
Standards		EN 60974-1 • EN 60974-5 • EN 60974-10	
Protection Class	IP	23 S	23 S
Insulation Class		H	H
Dimensions	↗ mm	660	660
	→ mm	290	290
	↑ mm	515	515
Weight	kg	42	42

Other voltages available on request

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

