



MATRIX E



INVERTER POWER SOURCES FOR ELECTRODE WELDING

Powerful, compact and lightweight MATRIX E's thanks to their innovative digital control of the welding process are the most high performing and technologically advanced products ever manufactured. Built according to the very latest IGBT based inverter technology, these DC power sources thanks to their excellent arc characteristics, are recommended for highest standard applications with any electrode. Suitable to be used in shipyards, steel construction, pipe welding and maintenance, MATRIX E's ensure an extraordinary stability of the welding parameters and their "fast dynamic characteristic" enables to achieve quality results even with the most difficult cellulosic and basic electrodes, and also in TIG with "Lift" mode arc striking.

MATRIX 2700 E SV is standard supplied with 230/400 V three phase input voltage.

MATRIX 2200 E, single phase unit, thanks to PFC can be use with 16 A fuse mains, thus becoming the ideal choice for all qualified welding applications and maintenance jobs, whenever power and portability are needed.



CC

Inverter

DC
+ -

DIGITAL
888



- ▶ Digital control of all the welding parameters
- ▶ Excellent welding characteristics in MMA with any kind of electrodes, including cellulosic, and in TIG with "Lift" mode
- ▶ Low energy consumption
- ▶ High reliability when used with generator sets
- ▶ Suitable to be used with mains cable lengths over 100 m
- ▶ Digital Ammeter and Voltmeter
- ▶ ENERGY SAVING function to operate the power source cooling fan only when necessary
- ▶ Possibility of activating the VRD function
- ▶ Possibility of memorizing welding parameters (99 JOBS)
- ▶ STAND BY function on the remote control
- ▶ Auto-diagnostic feature for trouble shooting
- ▶ Control panel protected against accidental impact
- ▶ Control rack protection cover
- ▶ IP 23 protection class and dust-proof electronic components, thanks to the innovative "Tunnel" fan cooling system, allow operation in the toughest work environments
- ▶ Electrode Antisticking function

ENERGY SAVING

The built-in "Energy Saving" function activates the machine fan motor only when necessary, not only obtaining a significant energy saving, but also ensuring less maintenance for the power source.



PFC POWER FACTOR CORRECTION - MATRIX 2200 E

The wave shape of the current drawn from the mains is made sinusoidal by the PFC device with a consequent total lack of harmonic disturbances in the mains and consumption optimization, which enables to utilize the power source at full range on a 16 A fuse. The PFC circuit gives the machine a wider protection against mains voltage fluctuations, by also making it safer whenever being operated by power generator sets.

