

Power source Aristo® 1000 AC/DC SAW

AC/DC inverter power source for efficient submerged arc welding

- Based on unique and patent pending technologies to deliver the best welding performance with the lowest power consumption.
- Designed for use with the digital PEK controller and the robust A2/A6 feeder units.
- A global inverter - connect to a three phase mains supply from 380 to 575 V, 50 or 60 Hz.
- Change between DC and AC "on the fly". Minimize downtime and weld defects by the push of a button with the patent pending "on the fly" function.
- **CableBoost™** patent-pending technology ensures the performance of the power source is unaffected even when long welding cables are used. What you set is what you get.
- Increase productivity up to 65% compared to DC+ welding by using the higher deposition rate of unbalanced AC with the same heat input.
- **Bead Profile Modelling™** provides adjustable AC settings for precise control of penetration profile and depth, dilution, arc stability and weld appearance to achieve the best productivity and quality for each weld.



Technical data

Mains supply, 3 ph, V, Hz	380-575, 50/60
Mains voltage (DC load), V	380/400/415/440/460/500/550/575
Mains current (DC load), A	86/82/79/74/71/66/59/57
Rated output at 100%, A / V	1000 / 44
AC Balance, %	25-75
AC Offset, A / V	±300 / ±10
AC Frequency, Hz	10-100
Output range, A	200-1000
EMC Filter	included
Parallel connection	available
Cable requirements, mm ²	2x95 / 2x120
Welding cable length (total)	up to 100 m
Remote On/Off input	available
Digital welding regulator	3rd generation
Open circuit voltage, V DC	130
Idle power, W	200
Efficiency at max output	0.88
Power factor	0.93
Dimensions, LxWxH, mm (in.)	865x610x1320 (34x24x52)
Weight, kg (lbs)	330 (727.5)
Enclosure class	IP23
Certification	CE-certified
Third party approvals	CSA, CCC, Ghost-R

Ordering information

Aristo® 1000 AC/DC SAW	0462 100 880
Interconnection cable, 4 m (for parallel/tandem operation)	0463 282 880
Installation manual (for parallel/tandem operation)	0740 801 030
Sales literature	XA00171020

Options & Accessories

Control cable, 15 m (49 ft.)	0460 910 881
Control cable, 25 m (82 ft.)	0460 910 882
Control cable, 35 m (115 ft.)	0460 910 883
Control cable, 50 m (164 ft.)	0460 910 884
A2-A6 Process controller PEK	0460 504 880