



Processes: MMA - TIG DC LIFT

CE Directives: 2002/95/CE, 2004/108/CE, 2006/95/CE

CE Standards: EN 60974-1, EN 60974-10

Structure



Discovery 200S is a compact and portable 3 Phase inverter power source for MMA and TIG DC welding applications with excellent arc characteristics in both processes.

Discovery 200S is specifically designed for adverse working conditions, such as offshore, shipyards, boat-maintenance and repair.

The inner **PFC W.ECO (Power Factor Corrector)** device, reduces harmonic current emissions according to the CE regulations. TIG DC functions and digital control available is an optimized combination also for maintenance, building construction, light-medium metal structures.

Hot Start and Arc Force are adjustable in MMA welding and guarantee a better arc ignition, smoother deposition and fluent welding.






Anti Sticking allows electrode unstick from the base material in case of accidental sticking.

Most of market-electrodes up to 5mm diameter can be easily welded. In TIG DC both pulse frequency (0,5-250Hz) and pulse base current can be set by the welder for optimal arc focusing, lower heat input and lower deformations.

- Light weight and reliable
- Handle and Shoulder Strap for easy carrying
- Built-in Wind Tunnel protects electronic devices from dust and saltiness and improves reliability
- Microprocessor controls real-time welding parameters
- Hot Start increases the start-current and gives better arc ignition
- Arc Force avoids short circuits and lack of fusion during the welding
- Lift TIG DC ignition reduces Tungsten inclusions
- Remote Control applicable

	CODE
Discovery 200S	001.0027.0000
Electrode Holder 35mm ² L=4m	006.0002.0028
Earth Cable 35mm ² L=4m	006.0002.0003
Torch TIG 26 valve L= 4m	006.0005.0002
RC03 Remote Control 1 potentiometer	006.0003.0120
Cable RC03 L=5m 6pins	022.0002.0166
Cable RC03 L=10m 6pins	022.0002.0167
Cable RC03 L=15m 6pins	022.0002.0168
Suitcase 03 ABS BLACK	006.0002.0039

TECHNICAL DATA

	3x400Vac ± 15% @ 50-60Hz					
	16A					
	MMA			TIG		
% _{40°C}	40%	60%	100%	40%	60%	100%
I_2	200A	170A	130A	200A	170A	130A
I_2	5A – 200A			5A – 200A		
U_0	61V					
P_{MAX}	6,7kVA - 6,3kW					
IP	23S					
	400 x 160 x 260mm					
	10,0Kg					

Suggested composition:

Discovery 200S + Electrode Holder 35mm² L=4m +
Earth Cable 35mm² L=4m + Suitcase 03