MMA

Cruiser 322 - 402 - 502

3 x 400Vac

Cruiser 502 - 402 - 322 are heavy duty industrial 3 Phase inverter power sources for **MMA Welding and TIG DC LIFT** applications with excellent arc characteristics.
Cruiser 502 - 402 - 322 are specifically designed for tough working conditions such as steel fabrication, shipbuilding, offshore, shipyards, boat-maintenance, repair and heavy metal constructions. **Digital control** and excellent welding with **cellulosic electrodes** is an optimized combination also for piping and Oil & Gas industry applications.

The **GOUGING** function allows gauging with up to 8mm diameter carbon electrode (402 - 502).

: MMA / TIG DC LIFT / MMA CELLULOSIC / GOUGING
CE: 2014/30/EU (EMC) - 2014/35/EU (LVD) - 2011/65/EU (RoHS2)
EN: EN 60974-1 - EN 60974-10

Technology

W.ECO TECHNOLOGY INSIDE

VRD VOLT REDUCTION DEVICE

Special Functions

CELL

ITEM	CODE	
POWER SOURCE		
Cruiser 322	001.0142.0000	
Cruiser 402	001.0103.0000	
Cruiser 502	001.0104.0000	
TROLLEY		
Trolley E	004.0000.0005	
Trolley 03	006.0002.0042	
TORCHES AND EARTH CABLE		
Electrode Holder 70mm² L=4m	006.0002.0025	
Torch TIG 26 valve L= 4m	006.0005.0002	
Earth Cable 70mm² L=4m	006.0002.0017	
REMOTE CONTROLS		
RC03 Remote Control 1 potentiometer	006.0003.0130	
Cable RC03 L=5m	022.0002.0166	
Cable RC03 L=10m	022.0002.0167	
Cable RC03 L=15m	022.0002.0168	

Cruiser 502						
	3x400Vac ± 15% @ 50-60Hz					
	40A					
	MMA			TIG		
% 40°C	50%	60%	100%	50%	60%	100%
I2	500A	450A	400A	500A	460A	400A
I2	5A - 500A			5A - 500A		
U0/Ur	83V / 9V					
P1 MAX	25,5kVA - 23,4kW					
IP	23					
	690 x 290 x 510mm					
	50,7 Kg					

Cruiser 402		
	3x400Vac ± 15% @ 50-60Hz	
	32A	
	MMA	TIG
% 40°C	100%	100%
I2	400A	400A
I2	5A - 400A	5A - 400A
U0/Ur	83V / 9V	
P1 MAX	18,4kVA - 16,8kW	
IP	23	
	690 x 290 x 510mm	
	50,7 Kg	

Cruiser 322				
	3x400Vac ± 15% @ 50-60Hz			
	25A			
	MMA		TIG	
% 40°C	60%	100%	60%	100%
I2	300A	250A	320A	260A
I2	10A – 300A		5A – 320A	
U0/Ur	73V / 10V			
P1 MAX	14,3kVA – 11,0kW			
IP	23			
	690 x 290 x 450mm			
	45 Kg			

Discovery 300

3 x 400Vac

Discovery 300 is a heavy duty industrial 3 Phase inverter power source for **MMA Welding and TIG DC LIFT** applications with excellent arc characteristics. **Discovery 300** is specifically designed for tough working conditions such as steel fabrication, shipbuilding, offshore, shipyards, boat-maintenance, repair and heavy metal constructions..

MMA CELLULOSIC is a specific MMA function which allows to obtain the highest welding results with cellulosic electrodes.

The **TIG DC** functions and digital control are usefull also for maintenance, building construction, light-medium metal structures.

: MMA / TIG DC LIFT / MMA CELLULOSIC
CE: 2014/30/EU (EMC) - 2014/35/EU (LVD) - 2011/65/EU (RoHS2)
EN: EN 60974-1 - EN 60974-10

Technology

POWER INVERTER INSIDE

VRD VOLT REDUCTION DEVICE

Special Functions

CELL

Discovery 300						
	3x400Vac ± 15% @ 50-60Hz					
	20A					
	MMA			TIG		
$\%_{40°C}$	40%	60%	100%	50%	60%	100%
I_2	300A	230A	200A	300A	250A	210A
I_2	10A – 300A			5A – 300A		
U_0/U_r	76V / 9V					
$P_{1\,MAX}$	13,3kVA - 10,7kW					
IP	23S					
	460 x 230 x 325mm					
	20,8 Kg					

ITEM	CODE	
POWER SOURCE		
Discovery 300	001.0046.0000	
TROLLEY		
Trolley 02	006.0002.0014	
Sliding KIT 6	010.0000.0048	
TORCHES AND EARTH CABLE		
Electrode Holder 35mm² L=4m	006.0002.0028	
Torch TIG 26 valve L= 4m	006.0005.0002	
Earth Cable 35mm² L=4m	006.0002.0003	
REMOTE CONTROLS		
RC03 Remote Control 1 potentiometer	006.0003.0130	
Cable RC03 L=5m	022.0002.0166	
Cable RC03 L=10m	022.0002.0167	
Cable RC03 L=15m	022.0002.0168	

Discovery 200S

3 x 400Vac

Discovery 200S is a compact and portable 3 Phase inverter power source for **MMA welding and TIG DC LIFT**.
Discovery 200S is specifically designed for adverse working conditions, such as offshore, shipyards, boat-maintenance and repair.

TIG DC functions and digital control available is an optimized combination also for maintenance, building construction, light-medium metal structures.

: MMA / TIG DC LIFT
CE: 2014/30/EU (EMC) - 2014/35/EU (LVD) - 2011/65/EU (RoHS2)
EN: EN 60974-1 - EN 60974-10
Technology
W.ECO TECHNOLOGY INSIDE

Discovery 200 S						
	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/U_r	61V / 13V					
$P_{1\,MAX}$	6,7kVA - 6,3kW					
IP	23S					
	400 x 160 x 260mm					
	10,0Kg					

ITEM	CODE	
POWER SOURCE		
Discovery 200S	001.0027.0000	
TORCHES AND EARTH CABLE		
Electrode Holder 35mm² L=4m	006.0002.0028	
Torch TIG 26 valve L= 4m	006.0005.0002	
Earth Cable 35mm² L=4m	006.0002.0003	
REMOTE CONTROLS		
RC03 Remote Control 1 potentiometer	006.0003.0130	
Cable RC03 L=5m	022.0002.0166	
Cable RC03 L=10m	022.0002.0167	
Cable RC03 L=15m	022.0002.0168	
ACCESSORIES		
Suitcase 03 ABS Black	006.0002.0039	

Multipower 184

1 x 115Vac - 1 x 230Vac

Multipower 184 is an innovative and robust inverter power source for **MMA MMA/CELL and LIFT TIG DC**
Multipower 184 is specifically designed for basic maintenance, building construction and pipe line construction.

A built-in, **Total Protection**, saves the inverter components from overvoltage and makes the unit suitable for use with unstable power supply and motor generators.
Multipower 184 is equipped with **PFC (Power Factor Corrector)** designed for voltage support from **90 Vac up to 270 Vac**, with "smart" device able to supply all the demanded current according to the needed welding conditions.
Through such devices it is possible the using of this machine with over **100 meters** long power supply cables. Factory optimized Hot Start, Arc Force and Anti Sticking allow an easy and excellent quality welding using electrodes up to 4 mm diameter. Lift Start function guarantees arc ignition without damaging the tungsten electrode.

: MMA / TIG DC LIFT / MMA CELLULOSIC
CE: 2014/30/EU (EMC) - 2014/35/EU (LVD) - 2011/65/EU (RoHS2)
EN: EN 60974-1 - EN 60974-10

Technology

PFC · TOTAL PROTECTION · VRD VOLT REDUCTION DEVICE

Special Functions

CELL

Multipower 184										
	1x230Vac ± 15% @ 50-60Hz						1x115Vac ± 15% @ 50-60Hz			
	16A						32A			
	MMA			TIG			MMA			TIG
% 40°C	35%	60%	100%	35%	60%	100%	50%	60%	100%	100%
I_2	180A	130A	120A	180A	130A	120A	115A	110A	105A	115A
I_2	10A – 180A			5A – 180A			10A - 115A			5A - 115A
U_0/U_r	83V / 11V									
$P_{1\,MAX}$	5,8kVA - 5,6kW									
IP	23S									
	400 x 160 x 260mm									
	10,4 kg									

ITEM	CODE	
POWER SOURCE		
Multipower 184	001.0029.0000	
TROLLEY		
Sliding KIT 7	010.0000.0051	
TORCHES AND EARTH CABLE		
Electrode Holder 35mm² L=4m	006.0002.0028	
Torch TIG 26 valve L= 4m	006.0005.0002	
Earth Cable 35mm² L=4m	006.0002.0003	
REMOTE CONTROLS		
RC03 Remote Control 1 potentiometer	006.0003.0130	
Cable RC03 L=5m	022.0002.0166	
Cable RC03 L=10m	022.0002.0167	
Cable RC03 L=15m	022.0002.0168	
ACCESSORIES		
Suitcase 03 ABS Black	006.0002.0039	

Discovery 150TP

1 x 230Vac

Discovery 150 TP is an innovative and robust inverter power source for MMA welding and TIG DC LIFT.
Discovery 150TP is specifically designed for basic maintenance and building construction.
Special functions include, Hot Start, Arc Force and Anti Sticking that helps the user to make quality welds every time, even when using up to 3.25mm diameter electrodes.

: MMA / TIG DC LIFT
CE: 2014/30/EU (EMC) - 2014/35/EU (LVD) - 2011/65/EU (RoHS2)
EN: EN 60974-1 - EN 60974-10

Technology

POWER INVERTER INSIDE

TOTAL PROTECTION

Discovery 150TP						
	1x230Vac ± 15% @ 50-60Hz					
	16A					
	MMA - E-HAND			TIG-WIG		
%40°C	35%	60%	100%	35%	60%	100%
I2	140A	110A	100A	150A	115A	100A
I2	5A – 140A			5A – 150A		
U0/Ur	94V / 11V					
P1 MAX	5,6kVA - 4,0kW					
IP	23S					
	310 x 120 x 215mm					
	5,4Kg					

ITEM	CODE	
POWER SOURCE		
Discovery 150TP	001.0013.0000	
TORCHES AND EARTH CABLE		
Electrode Holder 16mm² L=4m	006.0002.0026	
Torch TIG 17 valve L= 4m	006.0005.0007	
Earth Cable 16mm² L=4m	006.0002.0010	
ACCESSORIES		
KIT MMA	006.0002.0001	
Suitcase 03 ABS Black	006.0002.0012	
CONFIGURATION	**CODE**	
Suggested composition:	006.0011.0007	
Discovery 150TP + Suitecase ABS 01 + KIT MMA		