



ADVANCED POWER SOURCES[®] LIMITED

POWER SOURCES FOR WELDING, CUTTING, GOUGING AND AUTOMATION SOLUTIONS

Product Portfolio | 2022



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Authorised Dealer

WELDING - CUTTING - GOUGING - AUTOMATION - ACCESSORIES

Discover Series

The Discover Series is known for being economical yet performing series of welding equipment. Model ranging from 200A to 400A cover the entire plethora of welding machines, serving variety of electrode welding applications.

ARC WELDERS



Model	Discover 200DX	Discover 250	Discover 300	Discover 400Glory	Discover 400
Supply	150VAC - 280VAC 1Ph, 50Hz - 60Hz	170VAC - 280VAC 1Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	6.2 KVA / 8.25 HP	9.3 KVA / 11.8 HP	11.9 KVA / 15.2 HP	17.8 KVA / 22 HP	17.8 KVA / 22 HP
Current @ 60%	200A	250A	300A	400A	400A
Current @ 100%	140A	190A	205A	250A	300A
Dimension (WxLxH)	150 X 420 X 350	180 X 510 X 360	270 X 565 X 450	270 X 565 X 450	345 X 635 X 600
Weight (Kg)	8.3	12	33	33	45

Genesis Series

The Genesis series have been known for being rugged, heavy duty and provide excellent ARC characteristics. The Genesis Star400 is specially designed for PIPE welding applications require use of E6010, E7010, E8010, E9045 etc. These machines are suitable for heavy industrial applications.

ARC WELDERS



Model	Genesis Star400 PIPE Welder	Genesis 400HD	Genesis 600HD
Supply	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz
Max - Input	17.8 KVA / 22.7 HP	17.8 KVA / 22.5 HP	32.7 KVA / 41.6 HP
Current @ 60%	400A	400A	600A
Current @ 100%	308A	310A	465A
Dimension (WxLxH)	345 X 635 X 600	345 X 635 X 600	345 X 635 X 750
Weight (Kg)	48	48	61

Special Features:

- VRD (Voltage Reduction Device) - 10V to 15V Inbuilt.
- FOD (Fan On Demand)-Available. Reduces idletime power consumption.
- Protections: UV(Under Voltage), OV(Over Voltage), SP(Phase loss), OT(Over temperature), OC(Over Current).
- Remote facility available.
- Heavy duty Brass Lug Terminals.

Accessories (optional)



Electrode Holder



Remote



Earthing Clamp



Welding Cable

Add-on: External HF Unit



- Compatible with 400A and 600A ARC Welding machines.
- Preflow and Postflow settable.

Genesis Series

The Genesis Series gouging machines are one of the most heavy duty and high duty cycle machines available in market. These machine have high OCV support higher load voltage required for cutting and gouging applications.

GOUGING EQUIPMENT



Model	Genesis 800	Genesis 1000	Genesis 1200
Supply	365VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	50.6 KVA / 64.5 HP	51 KVA / 65 HP	51 KVA / 65 HP
Current @ 60%	800A	1000A	1200A
Current @ 100%	600A	775A	930A
Dimension (WxLxH)	670 X 780 X 915	460 X 1125 X 945	460 X 1125 X 945
Weight (Kg)	130	182	198

Special Features:

- VRD (Voltage Reduction Device) - 10V to 15V Inbuilt.
- Triple FAN cooling system.
- Protections: UV(Under Voltage), OV(Over Voltage), SP(Phase loss), OT(Over temperature), OC(Over Current).
- Remote facility available.
- Heavy duty Nickel plated Copper Terminals.

Accessories (optional)



Gouging Torch



Earthing Clamp



Welding Cable

Discover Series

TIG WELDERS

The Discover TIG Series is known for being economical yet performing series of welding equipment. Model ranging from 200A to 400A cover the entire plethora of welding machines, serving variety of TIG welding applications.



Model	Discover 250TIG	Discover 300TIG	Discover 400 GloryTIG	Discover 400TIG
Supply	170VAC - 280VAC 1Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	9.3 KVA / 11.25 HP	11.90 KVA / 15.2 HP	17.8 KVA / 22.65 HP	17.8 KVA / 22.65 HP
Current @ 60%	250A	300A	400A	400A
Current @ 100%	190A	205A	250A	300A
Dimension (WxLxH)	180 X 510 X 360	270 X 565 X 450	270 X 565 X 450	345 X 635 X 560
Weight (Kg)	15	35	36	47

Genesis Series

TIG / PULSE TIG WELDERS

The Genesis Tig and Pulse Tig machines are heavy duty and made to perform the most challenging TIG Welding tasks. Ultra stable Arc makes sure that the jobs passes Radiography and Ultrasonic welding tests.



Machine with WC Trolley system



Model	Genesis 400HDTIG	Genesis 400HDPulse	Genesis 600HDTIG	Genesis 600HDPulse
Supply	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	17.8 KVA / 22.65 HP	17.8 KVA / 22.65 HP	33 KVA / 42 HP	33 KVA / 42 HP
Current @ 60%	400A	400A	600A	600A
Current @ 100%	310A	310A	465A	465A
Dimension (WxLxH)	345 X 635 X 600	345 X 635 X 600	345 X 635 X 750	345 X 635 X 750
Weight (Kg)	50	50	65	65

Victor Series / Apollo Series

DIGITAL PULSE TIG WELDERS

The Victor and Apollo series are DIGICon technology based digital welding equipment with advanced TIG Welding features along with excellent ARC. Ultra stable Arc and high precision makes sure that the jobs passes Radiography and Ultrasonic welding tests.



DIGICon
technology

TIG Torches



Model	Victor 250PulseTIG	Victor 300PulseTIG	Apollo 400	Apollo 600
Supply	170VAC - 280VAC 1Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	9.5 KVA / 12.1 HP	11.9 KVA / 15.5 HP	17.8 KVA / 22.65 HP	33 KVA / 42 HP
Current @ 60%	250A	300A	400A	600A
Current @ 100%	185A	205A	310A	465A
Dimension (WxLxH)	180 X 520 X 330	220 X 500 X 440	345 X 635 X 600	345 X 635 X 750
Weight (Kg)	25	29	50	65

Magnus Series / Lumina Series

The Magnus series are CCCV power sources with excellent arc characteristics and reliable mig welding machines. The Lumina series are multiprocess welding units with DIGICon technology based digital welding control.



DIGICon
technology



Model	Magnus 250 CCCV	Magnus 400 CCCV	Magnus 600 CCCV	Lumina 400 CCCV	Lumina 600 CCCV
Supply	330VAC - 500VAC 3Ph, 50Hz - 60Hz	330VAC - 550VAC 3Ph, 50Hz - 60Hz	365VAC - 550VAC 3Ph, 50Hz - 60Hz	330VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	8.2 KVA / 10.5 HP	16.8 KVA / 20.25 HP	32.15 KVA / 41.7 HP	16.8 KVA / 34.65 HP	32.69 KVA / 41.65 HP
Current @ 60%	250A	400A	600A	400A	600A
Current @ 100%	190A	310A	465A	310A	465A
Dimension (WxLxH)	270 X 565 X 450	345 X 635 X 560	345 X 635 X 750	345 X 635 X 600	345 X 635 X 750
Weight (Kg)	32	50	68	50	68

Endeavour Series

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technology



Submerged Arc / Multiprocess WELDERS

The Endeavour series is one of its kind multi process welding machine with capability to perform, SAW (Submerged Arc Welding), CAG (Carbon Arc Gouging), MMAW, MIG / MAG Welding, Hardfacing. A true universal power source with multiple applications.



Digital Control Panel
with Inbuilt Memories



Model	Endeavour 1000 CCCV	Endeavour 1250 CCCV
Supply	365VAC - 500VAC 3Ph, 50Hz - 60Hz	365VAC - 500VAC 3Ph, 50Hz - 60Hz
Max Input	53.5 KVA / 68.15 HP	53.5 KVA / 68.15 HP
Current @ 60%	1000A	1250A
Current @ 100%	775A	1000 A
Dimension (WxLxH)	460 X 1100 X 1170	460 X 1100 X 1170
Weight (Kg)	165	170

Rhino Cut Series

Plasma Cutting Equipment

The Rhino Series Plasma Cutting machines are robust and high duty cycle plasma cutting machines with very good duty cycle and excellent cut quality.



Model	Rhino Cut 100	Rhino Cut 160	Rhino Cut 200
Supply	365VAC - 500VAC 3 Ph, 50Hz - 60Hz	365VAC - 500VAC 3 Ph, 50Hz - 60Hz	365VAC - 500VAC 3 Ph, 50Hz - 60Hz
Max Input	18.5 KVA / 23.6 HP	29.7 KVA / 37.8 HP	44.5 KVA / 56.7 HP
Current @ 60%	100A	160A	200A
Current @ 100%	77A	124A	155A
Dimension (WxLxH)	340 X 590 X 690	340 X 590 X 690	460 X 1100 X 1170
Weight (Kg)	45	57	114

Storm Series ACDC Tig WELDERS

The Storm Series ACDC Tig Welding machines are the choice of machines for Aluminium and Magnesium Welding.



Model	Storm 315 ACDC	Storm 500 ACDC
Supply	415VAC 3Ph, 50Hz - 60Hz	415VAC 3Ph, 50Hz - 60Hz
Max Input	12.72 KVA / 16.19 HP	24.77 KVA / 31.55 HP
Current @ 60%	315A	500A
Current @ 100%	244A	387A
Dimension (WxLxH)	340 X 650 X 590	380 X 777 X 830
Weight (Kg)	47.5	75