

Weld  man
Welder

Inverter
Welder

Technology

Saves the Earth



Certification No. SG04 / 00212

Why Inverter Technology?

The inverter welding machines are much smaller and lighter, more efficient and energy saving compared to conventional welding machine. In addition, they offer better control of welding characteristics such as smooth and stable arc. Hence, inverter technology is well and truly an efficient choice for welding power sources

Why Choose Weldman Brand?

The WELDMAN brand welding power sources are of heavy-duty type, designed with IGBT based inverter technology for excellent electrical and welding performances. High quality and proven semiconductor components are used for superior reliability and performance. The WELDMAN power sources are designed to work under the harshest environments and to meet the stringent requirements where quality is of paramount importance. All WELDMAN products undergo stringent Quality Control tests so as to achieve high reliability, endurance and performances. They are suitable for shipyards, pipelines, construction works, petrochemical plants, oil refineries, offshore works and engineering workshops.

Salient Features of WELDMAN

Compact & Yet Rugged, Environment Friendly & Reliable

The power magnetic components like main transformer and main choke are extremely small and lightweight despite their high power capacity. The heavy gauge base plate protects the internal components from impacts and knocks encountered during shifting of machine on site, shop floor, on board vessel etc. The magnetic components, live terminals, bus bars and PCBs are protected against fungus, moisture, dust and corrosion by conformal coating. The protection category for remote connectors when connected is IP67.

Heavy Duty Welding

The power components are efficiently cooled so as to deliver high welding currents for long hours at high rated duty cycle (70%).

Longer Life Span

The power semiconductor component's lifespan is enhanced by thoughtful and strategic design of forced air-cooling system. The inlet air cools the heat sink fins and power magnetic components. The power semiconductor components and their live terminals are not in the airflow path and are thus protected from dust and moisture. The maximum temperature of the heat sink is 70 Degree Celsius.

Energy saving Generator Friendly

Substantial cost savings (20 - 30%) can be achieved compared to conventional machines due to higher efficiency, lower input KVA demand and lower no load / load electrical consumption. Cost savings can be up to 90% for no load power consumption alone. The generators are not affected by starting surge current due to fast acting control circuit of WELDMAN.

Supply Voltage Guard

The incorporated sensing circuit protects the machines from under/over voltage conditions.

Welder's Favourite

Weldman has simple panel controls. It is easy to connect and set up. It is also optimized for excellent CC / CV characteristics to suit various welding applications. Digital display on the front panel is a standard feature for easy setting and monitoring of welding current and voltage.

Printed Circuit Boards



Magnetic Components



Power Modules & Cooling



WELDMAN SMAW / MMA WELDING INVERTER

Shielded Metal Arc Welding

The Weldman "H" series heavy duty energy efficient inverter power sources deliver constant current (CC) DC welding power using proven IGBT power transformation technology. These machines render excellent performance for stick welding with various types of electrodes and also for scratch-start TIG application. When coupled to the high frequency TIG control unit WERT301, various TIG features are available. Heavy duty welding at high current is achieved due to careful design and layout of power components and cooling arrangement. The power source is highly energy efficient.

FEATURES

- Welder Friendly Controls.
- Ease of maintenance.
- Generator Friendly (Low KVA Requirement).
- Digital Display for easy setting of current.
- Arc Force Control (MMA) for anti-stick of Electrodes and Dynamic of melting low Hydrogen and Cellulose Electrodes.
- Built in Hot Start for additional current during Arc-Striking. (Can be adjusted by Preset Potentiometer in PCB)
- MCB for fault protection.
- Under Voltage and Overload Protection.
- Current limit.
- Control circuit protection by fuse.
- Scratch start TIG.
- Suitability to voltage sensing (OCV Driven) wire feeder.
- Built in hot start (can be adjusted by preset potentiometer in PCB).
- Optional remote current / volt control unit (WER101) & high frequency TIG control unit (WERT301).
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants, oil refinery, offshore works and workshop.



Machine Model	WE301H	WE402H	WE502H
Input Supply Voltage	415V +/- 10%, 3-Phase, 50/60 Hz		
Rated Input	12.2 KVA	18 KVA	25.1 KVA
Idling Input Current	0.2A (Max.)		
Max OCV (CC)	60V DC		
Current Range (CC)	10 – 300 A	10 – 400 A	10 – 500 A
Rated Duty Cycle @ 70%	300A / 32V	400A / 36V	500A / 40V
Rated Duty Cycle @ 100%	250A / 30V	330A / 33.2V	420A / 36.8V
Dimension (W x L x H)	(260 x 490 x 380)mm	(260 x 490 x 380)mm	(270 x 490 x 440)mm
Weight	35.7 kg	36 kg	41.2 kg

Optional Items

WERT301



High Frequency TIG Control Unit
Order code : MW29022

WER101



Remote Current / Volt Control Unit
(With Cable)
Order code : 13010116-008

TIG Torch



Weldcraft TIG Torch

WELDMAN GMAW/MIG WELDING INVERTER

Gas Metal Arc Welding

The Weldman "V" series heavy duty, energy efficient inverter power sources deliver constant voltage (CV) DC welding power using proven IGBT power transformation technology. When coupled with the WE4R wire feeder, the machines provide excellent arc characteristics with both solid and flux-cored wire welding. Heavy duty welding at high current is achieved due to careful design and layout of power components and cooling arrangement. The power source is highly



FEATURES

- Welder Friendly Controls.
- Generator Friendly (Low KVA Requirement).
- Voltage control in the wire feeder for easy adjustment of arc voltage.
- Adjustable electronic inductance control for smooth and spatterless welding.
- Current limit.
- Under voltage and overload protection.
- Ease of maintenance.
- Digital display for easy setting / monitoring of voltage.
- MCB for fault protection.
- Control circuit protection by fuse.
- Wire inching and gas purging facility (wire feeder).
- Two stroke and four stroke facility for the torch switch (wire feeder).
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction petrochemical plants,oil refinery, offshore works and workshop.

Machine Model	WE301V	WE402V	WE502V
Input Supply Voltage	415V +/- 10% , 3-Phase , 50/60 Hz		
Rated Input	12.2 KVA	18 KVA	25.1 KVA
Idling Input Current	0.2A (Max.)		
OCV Range (CV)	0 – 35 V	0 – 41 V	0 – 48 V
Rated Duty Cycle @ 70%	300A / 32V	400A / 36V	500A / 40V
Rated Duty Cycle @ 100%	250A / 30V	330A / 33.2V	420A / 36.8V
Dimensions (W x L x H)	(260 x 490 x 380)mm	(260 x 490 x 380)mm	(270 x 490 x 440)mm
Weight	38.5 kg	38.9 kg	44.1 kg

Optional Items

Wire Feeder



WE4R
Order code : MW29005

Running Gear



Order code : 13040200-016

TBI MIG Torch



Order code : AM114P3Y1330

WELDMAN UNIVERSAL WELDING INVERTER

Multi-Process Welding Applications

The Weldman "UNI" series heavy duty, energy efficient inverter power sources are multi-process machine capable of delivering either constant current (CC) or constant voltage (CV) DC welding power using proven IGBT power transformation technology. When coupled with the WE4R wire feeder, the machines provide excellent arc characteristics with both solid and flux-cored wire welding. These machines render excellent performance for stick welding with various types of electrodes and also for scratch-start TIG application. Heavy duty welding at high current is achieved due to careful design and layout of components and cooling arrangement. The power source is highly energy efficient.

FEATURES

- Welder Friendly controls.
- Ease of maintenance.
- Generator friendly (low KVA requirement).
- Digital display for easy setting monitoring of current/voltage.
- Multiple process selection by single selector switch: MMA, TIG (scratch-start), MIG and CV (for arc sensing wire feeder).
- Arc force control (MMA) for anti-sticking of electrodes and dynamic control of melting low Hydrogen and Cellulose electrodes.
- Built in hot start (MMA) for additional current during arc-striking. (Can be adjusted by preset potentiometer in PCB).
- Adjustable electronic inductance control (MIG) for smooth and spatterless welding.
- Voltage control automatically brought to wire feeder in MIG mode.
- MCB for fault protection.
- Under Voltage and overload Protection.
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants, oil refinery, offshore works and workshop.



Machine Model	WE301UNI	WE402UNI	WE502UNI
Input Supply Voltage	415V + / - 10% , 3-Phase , 50/60 Hz		
Rated Input	12.2 KVA	18 KVA	25.1 KVA
Idling Input Current	0.2A (Max.)		
Maximum OCV (CC)	60V DC		
Current Range (CC)	10 – 300 A	10 – 400 A	10 – 500 A
OCV Range (MIG) CV	0 – 35 V	0 – 41 V	0 – 48 V
Rated Duty Cycle @ 70%	300A / 32 V	400A / 36 V	500A / 40 V
Rated Duty Cycle @ 100%	250A / 30 V	330A / 33.2 V	420A / 36.8 V
Dimension (W x L x H)	(260 x 490 x 380)mm	(260 x 490 x 380)mm	(270 x 490 x 440)mm
Weight	38.7 kg	39 kg	44.2 kg

Optional Items

WER101



Remote Current / Volt Control Unit
(With Cable)
Order code : 13010116-008

Wire Feeder



WE4R
Order code : MW29005

WERT301



High Frequency TIG Control Unit
Order code : MW29022

WELDMAN HIGH FREQUENCY TIG WELDING INVERTER

Gas Tungsten Arc Welding

The Weldman "T" series range of inverter power sources are built in high frequency TIG welding machine capable of delivering constant current (CC) DC welding power using proven IGBT power transformation technology. These machines are excellent for TIG or stick welding. In TIG mode, the various TIG features are available. Heavy duty welding at high current is achieved due to careful design and layout of power components and cooling arrangement. The power source is highly energy efficient.



FEATURES

- Welder Friendly controls.
- Generator Friendly (Low KVA Requirement).
- High Frequency (H.F) Start / Lift Start / MMA Selector Switch for mode selection.
- H.F Auto Cut Off for protection against accidental triggering.
- Arc Force Control (MMA) for anti-stick of Electrodes and Dynamic of melting low Hydrogen and Cellulose Electrodes.
- MCB for fault protection & fuse for control circuit protection.
- Gas pre/post flow time adjustment (for gas purging and cooling).
- Ease of maintenance.
- Digital Display for easy setting of current.
- 2S / 4S / Fast Tack Selector Switch for Trigger Hold and Quick Tacking.
- Current limit, Under Voltage and Overload Protection.
- Current Up / Down Slope adjustment (for soft start and crater filling).
- Tungsten tip saving circuit (in LIFT mode, when the tungsten is shorted to work, only 10A current flows).
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petro-chemical plants, oil refinery, offshore works and workshop.

Machine Model	WE301T	WE402T
Input Supply Voltage	415V +/- 10% ,3-Phase ,50/60 Hz	
Rated Input	12.2 KVA	18 KVA
Idling Input Current	0.2A (Max.)	
Maximum OCV (CC)	82V DC	
Current Range (CC)	10 – 300 A	10 – 400 A
Rated Duty Cycle @ 70% (MMA)	300A / 32V	400A / 36V
Rated Duty Cycle @ 100% (TIG)	300A / 22V	400A / 26V
Gas Pre Flow Time	0.1 – 3 Sec	
Gas Post Flow Time	5 – 60 Sec	
Current up slope time	0.1 – 15 Sec	
Current down slope time	0.5 – 15 Sec	
Dimensions (W x L x H)	(260 x 500 x 500)mm	
Weight	51.2 kg	

Optional Items

WER101



Remote Current / Volt Control Unit
(With Cable)

Order code : 13010116-008

WERP100



Remote Pulse TIG Unit (With Cable)

WELDMAN GOUGING INVERTER

Gouging Inverter

Weldman WE1000G heavy duty, energy efficient inverter power source delivers constant current (CC) DC welding power using proven IGBT power transformation technology. The machine renders excellent performance for gouging application, scratch start TIG and also for stick welding with various types of electrodes. Heavy duty welding at high current is achieved due to careful design and layout of power components and cooling arrangement. The power source is highly energy efficient.



FEATURES

- Welder Friendly Controls.
- Ease of maintenance.
- Generator Friendly (Low KVA Requirement).
- Built in Hot Start for additional current during Arc-Striking. (Can be adjusted by Preset Potentiometer in PCB)
- MCB for fault protection.
- Under Voltage and Overload Protection.
- Current limit.
- Control circuit protection by fuse.
- Gouging up to 1/2 inch diameter rods.
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants, oil refinery, offshore works and workshop.

Machine Model	WE1000G
Input Supply Voltage	415V +/- 10%, 3-Phase, 50/60 Hz
Rated Input	50.2 KVA
Idling Input Current	0.4A (Max.)
Maximum OCV (CC)	60V DC
Current Range (CC)	20 – 1000 A
Rated Duty Cycle @ 70%	1000A / 40V
Rated Duty Cycle @ 100%	840A / 40V
Dimensions (L x W x H)	(580 x 650 x 525) mm
Weight	111 kg

Optional Items

Gouging Torch



K4000
Order code :
A061-082-000

WER101G



Remote Current / Volt Control Unit
(With Cable)

Welding Cables



400Amp - 50mm²
Order Code:
AOYAW 01050

500Amp - 70mm²
Order Code:
AOYAW 01070

WELDMAN SUBMERGED ARC WELDING INVERTER

Submerged Arc Welding

Weldman WE1000S heavy duty, energy efficient inverter power source delivers constant current (CC) DC welding power using proven IGBT power transformation technology. The machine renders excellent performance for Submerged-Arc Welding when coupled with SAW control unit. Heavy duty welding at high current is achieved due to careful design and layout of power components and cooling arrangement. The power source is highly energy efficient.

FEATURES

- Welder Friendly Controls.
- Ease of maintenance.
- Generator Friendly (Low KVA Requirement).
- Arc-Starting enhancement (Arc Starting current and duration can be preset).
- MCB for fault protection.
- Under Voltage and Overload Protection.
- Current limit.
- Control circuit protection by fuse.
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants,oil refinery, offshore works and workshop.



Machine Model	WE1000S
Application	Submerged Arc Welding (CC)
Input Supply Voltage	415V +/- 10%, 3-Phase, 50/60 Hz
Rated Input	50.2 KVA
Idling Input Current	0.4A (Max.)
Maximum OCV (CC)	60V DC
Current Range (CC)	20 – 1000 A
SAW Control Voltage	110V, 1-Phase, AC
Rated Duty Cycle @ 70%	1000A / 40V
Rated Duty Cycle @ 100%	840A / 40V
Dimensions (L x W x H)	(580 x 650 x 525)mm
Weight	119.5 kg

Optional Items

LT7 - Wire Feeder



Order code : MW25003

LT7 - Track (1.7m)



Order code : K396

Sub-Arc Flux



Sub-Arc Flux

WELDMAN UNIVERSAL ELECTRICAL WELDING INVERTER

1000Amp Multi-Process Welding Applications

Weldman WE1000UNI heavy duty, energy efficient inverter power source delivers either constant current (CC) or Constant voltage (CV) DC welding power using proven IGBT power transformation technology. The machine renders excellent performance for gouging application, scratch-start TIG and also for stick welding with various types of electrodes. When coupled with SAW control unit, the machine provides excellent arc characteristics for submerged arc welding in both CC and CV modes. When coupled to high frequency TIG control unit WERT301, various TIG features are available. When coupled with the wire feeder WE4R, the machine provides excellent arc characteristic with both solid wire and flux-cored wire welding.



FEATURES

- Welder Friendly Controls.
- Ease of maintenance.
- Generator Friendly (Low KVA Requirement).
- Built in Hot Start for additional current during Arc-Striking. (Can be adjusted by Preset Potentiometer in PCB)
- MCB for fault protection.
- Under Voltage and Overload Protection.
- Current limit.
- Control circuit protection by fuse.
- Gouging up to 1/2 inch diameter rods.
- Adjustable electronic inductance control for smooth and spatterless welding (when coupled to WE4R wire feeder)
- Constant Current (CC) / Constant voltage (CV) mode selection.
- Arc Starting enhancement (arc starting current and duration can be preset).
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants,oil refinery, offshore works and workshop.

Machine Model	WE1000UNI
Input Supply Voltage	415V +/- 10%, 3-Phase, 50/60 Hz
Rated Input	50.2 KVA
Idling Input Current	0.4A (Max.)
Maximum OCV (CC)	60V DC
Current Range (CC)	20 – 1000 A
OCV Range (CV)	0 – 48 V
Rated Duty Cycle @ 70%	1000 A / 40 V
Rated Duty Cycle @ 100%	840 A / 40 V
Weight	121 kg

Optional Items

Gouging Torch



K4000
Order code : A061-082-000

Wire Feeder



WE4R
Order code : MW29005

WERT301



High Frequency TIG Control Unit
Order code : MW29022

WELDMAN PORTABLE MMA/TIG WELDING INVERTER

Gas Tungsten Arc Welding (230V)

FEATURES

- Direct, reliable & stable welding current operation
- Easy to operate.
- Automatic voltage pulsation compensation capability.
- Ease of maintenance.
- Portable, convenient to carry.
- Designed and built to operate under harshest environment and meet the requirement of quality welding in shipyards, pipelines, construction petrochemical plants,oil refinery, offshore works and workshop.



Machine Model	TIG200A
Input power voltage	AC220V ± 10%
Frequency	50/60 Hz
Rated input power capacity	3.9 KVA
Output current range	10 – 200 A
No-load voltage	56V
Duty cycle	60%
No-load power	40W
Protection class of case	IP21
Weight	8 kg
Post-flow time	2.5sec
Current of MMA	(10 – 160)A
Welding thickness	(0.3 – 8)mm
Insulation class	B
Efficiency	85%
Power factor CosΦ	0.93
Dimensions (W x L x H)	(371 x 155 x 295)mm



Machine Model	TIG200P (IGBT)
Rated Input Voltage	200V, 1Ph, 50/60 Hz
Rated Input Capacity	4.6 KVA
Output Open Circuit Voltage	42V
Welding Current Adjustment Range	10 – 200 A
Rated Duty Cycle	60%
Suitable for Thickness	(0.3 – 4.5)mm
Weight	13 kg
Dimensions (W x L x H)	(432 x 204 x 302)mm



Machine Model	Pro 200P-T (IGBT)
Power Supply Voltage	AC 220/230/240V 50Hz
No-load Voltage	60 – 80 V
Rated Output Current	200A
Rated Duty Cycle	35%
Welding Cur. Adjusting Range	5 – 200 A
Base Current (fixed)	5A
Initial current(fixed)	15A
Crater-fill current(fixed)	15A
Pulse Width Ratio(fixed)	0.5
Pulse Frequency	1Hz or 100Hz
TIG Arc starting mode	High frequency arc striking
Up-slope, Down-slope time	0 – 5 Sec
After Flow Time	5 or 10 Sec
Mass	16 kg
Protection Class of enclosure	IP21S
Dimensions (W x L x H)	(425 × 195 × 310)mm

WELDMAN MIG WIREFEEDER

Wirefeeder for Gas Metal Arc Welding

FEATURES



- Recommended length of interconnection cables are available as per the application.
- 4 roll drive and gear rolls for positive wire feeding (quick change).
- “V” & “U” groove rolls are available.
- Gas purge/wire inching switch.
- 2 stroke/4 stroke modes (Manual/Trigger hold).
- Stepless control of wire feed speed and voltage.
- Solid state control of wire feeder motor.
- Euro MIG gun connection.
- WE4RC comes with additional crater control.
- Designed and built to operate under harshest environment and meets the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants,oil refinery, offshore works and workshop.

Machine Model	WE4R	WE4RC
Input Supply Voltage	24V AC from Weldman CV power source (V and UNI models)	
Welding Wire Size	(0.6 – 1.6)mm	
Wire Feed Rate	(0 – 20)m / min	
Dimensions (W x L x H)	(270 x 680 x 450)mm	
Weight	13.9 kg	

Optional Items

TBi MIG Torch



Order code : AM11HP3Y1330

Drive Roll



Order code : 13010118-032

WELDMAN HIGH FREQUENCY TIG CONTROL UNIT

Optional Item for H & UNI Series

Weldman WERT301 is the TIG control unit compatible with Weldman CC power sources. When coupled to the Weldman power source, various TIG features are available.



FEATURES

- Recommended length of interconnection cables are available as per the application.
- Digital display for easy setting of current.
- High frequency (HF) start/Lift start/MMA selector switch for mode selection of process.
- 2S/4S/Fast tack selector switch for trigger hold and quick tacking.
- Tungsten tip saving feature in lift start mode.
- High frequency auto cut-off for protection against accidental triggering.
- Current Up/Down slope adjustment (for soft start and crater filling).
- Gas pre-flow/post-flow time adjustment (for purging and cooling).
- Designed and built to operate under harshest environment and meet the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants,oil refinery, off shore works and workshop.

Machine Model	WERT301
Input Supply Voltage	24V AC from Weldman CC power source (H/UNI models)
TIG Current Range	10 – 300 A
Rated Duty Cycle @ 100%	300A / 22V
Gas Pre Flow Time	0.1 – 3 Sec
Gas Post Flow Time	5 – 60 Sec
Current Up Slope Time	0.1 – 15 Sec
Current Down Slope Time	0.5 – 15 Sec
Dimensions (W x L x H)	(195 x 350 x 330)mm
Weight	11 kg

Optional Items

WER101



Remote Current / Volt Control Unit (With Cable)
Order code : 13010116-008

Tig torch with lever switch



Order code : ATWP-26-25RB

Ground Clamp



Order code : AOA0-21120

WELDMAN DIESEL ENGINE DRIVEN WELDING GENERATOR

Diesel Engine Driven Welder (500Amps)



FEATURES

- Adjustable Arc force control for SMAW
- Scratch start GTAW
- Built in Hot Start (can be adjusted by preset potentiometer in PCB)
- Designed and built to operate under harshest environment and meet the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants,oil refinery, off shore works and workshop.

Machine Model	WD500
Engine Model	Deutz F3L912, Air-cooled
Speed	1500 rpm
Diesel tank capacity	87 litre
Starting System	12V battery
Horse Power	41.5
Inverter Power Source	
Input Voltage	415V +/- 10%, 3-Ph, 50/60Hz
Maximum OCV	60V, DC
Output Current Range	10 - 500 A
Duty Cycle	500A @ 60%, 400A @ 100%
Welding Process	MMA / Scratch start TIG welding
Auxiliary Supply Voltage	230V , 1-Ph

Optional Items

Ground Clamp



Order code : AOA0-21120

Trailer



Trailer

Electrode Holder



Order code : AO129001

WELDMAN DIESEL ENGINE DRIVEN WELDING GENERATOR

Diesel Engine Driven Welder (700Amps)

FEATURES

- Rugged and reliable 4 cylinder air-cooled diesel engine.
- Welder friendly controls, low maintenance, long service life and excellent arc performance.
- Protection against over current and thermal over load.
- Innovative cooling air duct design for heavy duty welding.
- Large fuel tank capacity.
- Optional 240V, AC auxiliary output.
- Optional trailer and bumper available.
- Designed and built to operate under harshest environment and meet the requirement of quality welding in shipyards, pipelines, construction, petrochemical plants,oil refinery and off shore works.

Process Capability

WD700

Constant Current

- Gouging
- MMA welding
- Scratch Start TIG

WD700W2G

Constant Current

- Gouging
- MMA welding (Two Operators)
- Scratch Start TIG (Two Operators)

WD700UNI (Auto)

Constant Current/Constant Voltage Automatic welding

- SAW
- FCAW

Other processes *

- Gouging
- MMA welding
- Scratch Start TIG

* Other processes require remote control unit for current control.

WD700



WD700W2G



WD700UNI (Auto)



Machine Model	WD700	WD700W2G	WD700UNI (Auto)
Engine Model	Deutz F4L912, Air-cooled.		
Power	40.9 KW @ 1800rpm / 60Hz		
Diesel tank capacity	120 litre		95 litre
Starting System	12 Volts Battery		
Max. OCV (CC)	60V DC		72V DC
OCV range (CV)	-		(15 - 60)V DC
Current range (CC)	(20 -700)A DC	(20 -700)A DC (Gouging) (10 -400)A DC (Welder-1) (10 -400)A DC (Welder-2)	(100 -700)A DC
Duty cycle	700A / 44V @70%	700A / 44V @70% (Gouging) 400A / 36V @70% (Welder-1) 400A / 36V @70% (Welder-2)	700A / 44V @70%
Dimension (L x H x W) mm	1925 x 1950 x 810		1900 x 1260 x 810
Weight	1005kg		963kg
Auxiliary Output	1-Ph, 240V AC, 60Hz (ELCB, MCB and 20A Fused)		
Remote Control	Optional	-	Compulsory

WELDMAN DIESEL ENGINE GENERATORS

175KVA & 500KVA



MODEL	WDG175	WDG500
• ENGINE		
Make & Model	Deutz BF06M1013FC, water cooled	Deutz BF8M1015CP
Output rating	183KW @ 1500rpm	400KW @ 1500rpm
Piston displacement	7146 CC	15900 CC
Diesel tank capacity	Approx. 330 litre	1025 litre
Lube oil sump capacity	21 litre	45 litre
Cooland capacity	24 litre	102 litres (including cooling unit)
Battery capacity	N120, 12V	12 – 150 x 2 V-Ah
• ALTERNATOR		
Make and model	Mecc alte ECO 38-2SN	Leroy Somer LSA 47.2 M7
Prime power	175KVA @ 50Hz, 1500rpm	500KVA @ 50 Hz, 1500rpm
Rated voltage	220V – 240V / 380V – 415V @ 50Hz 208V – 240V / 380V – 480V @ 60Hz	220V – 240V / 380V – 415V @ 50 Hz 208V – 240V / 380V – 480V @ 60 Hz
Power factor	0.8	0.8
Voltage regulation	+/- 1%	+/- 1%
• OVERALL		
Dimensions (L x W x H)	(3650 x 1300 x 1750)mm	(5000 x 1830 x 2200)mm
Weight	2900 kg	6200 kg



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