



Inverter Series

PORTABLE
WELDING SOLUTIONS



Trusted by the best





The WIA Inverter Series

**YOU'VE ASKED FOR IT & WE'VE DELIVERED.
WIA'S RANGE OF INVERTER WELDING MACHINES ARE
PORTABLE & EASY TO TRANSPORT FROM JOB TO JOB.**

Cost effective, power efficient and portable, WIA's inverters contribute to a more productive workplace.

Selection Chart

MIG & MULTI-PROCESS

MACHINE	RATED OUTPUT	PHASE	MACHINE WEIGHT	TYPICAL APPLICATIONS
Weldmatic 200i	200 A at 24.5 V, 15% Duty Cycle	1	13kg	Rural Applications, Construction Sites, Automotive Panel Repair, Exhaust Repair.
Weldmatic 250i	250 A at 26.5 V, 20% Duty Cycle	1	25.5kg	
Weldmatic 350i	350 A at 31.5 V, 60% Duty Cycle	3	93kg	Medium to Heavy Fabrication and General Industrial Fabrication.
Weldmatic 500i	500 A at 39 V, 60% Duty Cycle	3	96kg	

ARC & TIG

MACHINE	RATED OUTPUT	PHASE	MACHINE WEIGHT	TYPICAL APPLICATIONS
Weldarc 140i	140 A at 25.6 V, 20% Duty Cycle	1	4.8kg	Onsite Maintenance.
Weldarc 180i	180 A at 27.2 V, 18% Duty Cycle	1	6.5kg	
Weldarc 200i AC/DC	200 A at 18 V, 15% Duty Cycle	1	19.5kg	

Reliability & Performance Second to None!

ALL OF OUR INVERTER PRODUCTS ARE SUPPORTED BY AN AUSTRALIA WIDE SERVICE NETWORK, SO YOU CAN BE GUARANTEED YOU'RE BUYING RELIABILITY & PERFORMANCE.

2 YEAR
UNLIMITED WARRANTY

*Power Source Only

The Weldmatic 200i & 250i, Weldarc 180i, 140i & 200i AC/DC are backed with a 2 year unlimited warranty*, covering parts and labour.

*Power Source Only

3 YEAR
GOLD SHIELD WARRANTY

The Weldmatic 350i & 500i are backed with WIA's industry leading 3 year warranty, covering parts and labour.



W66
WIREFEEDER

WELDMATIC 350i

MIG & Multi-Process

**RELIABLE & HIGH PERFORMING WELDING SOLUTIONS
SUITABLE FOR MIG, STICK & LIFT ARC TIG WELDING**

- For operator safety, all of our MIG and multi-process welders feature a built in thermal protection device that will cut in if the machine is operated beyond its safe thermal operating zone.
- All WIA MIG and Multi-process machines suit gas shielded and flux cored wires.
- Built in VRD delivers added safety when operating in Stick or Lift-TIG mode and meets the requirements of site work. Fully compliant to Australian Standards AS60974.1 and AS1674.2 CAT C.



Weldmatic 200i

Part No: CP137-0

✓ GASLESS**✓ ALUMINIUM MIG****✓ MILD STEEL****200 AMP SINGLE PHASE WELDER**

With 200A of MIG, 170A of Stick and 200A of TIG capability the Weldmatic 200i is suitable for rural applications, construction sites, automotive panel repair and exhaust repair.

EASY SET-UP & ADJUSTMENT

The control panel allows easy selection for gas and wire type, with infinitely variable voltage and wire speed, indicated on the digital display. A suggested setting chart allows the Weldmatic 200i to be setup quickly and easily.

PACKAGE INCLUDES

- > Euro Gun Cable (3m)
- > Work Lead (3m)
- > Industrial Twist Lock Electrode Holder (3m)
- > Gas Regulator
- > Drive Rollers 0.6/0.8mm V Groove; 0.9/1.2mm Knurled (Gasless)
- > Tips (0.6/0.8/0.9/1.2mm)
- > ES6 Steel Sample Wire (0.8mm)

SPOOL CAPACITY

Suits 1kg & 5kg spool.

OPTIONAL ACCESSORIES PART NO.

Gas Bottle Trolley	AM356
Weldmatic Workshop Trolley	AM357

PORTABLE

At only 13kg, the Weldmatic 200i is lightweight and portable, making it suitable for onsite maintenance.

QUICK & EASY GUN CABLE ASSEMBLY

Supplied with a tradesman quality gun and cable complete with euro connector for easy fitting and removal.

**ALUMINIUM MIG ACCESSORIES PART NO.**

Drive Roller	W26-3/8
Nylon Liner (0.9/1.2mm)	BE43115X
Austmig Wire 5356 1.0mm 2kg	M5356102KG

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA *	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
240 Vac - 50/60 Hz	14 Amps	36 Amps	10 kVA	15 Amps	200 A at 24.5 V, 15% Duty Cycle 77 A at 17.9 V, 100% Duty Cycle	30 - 200 Amps	0.6 - 0.9 solid 0.8 - 1.2 cored 1.0 aluminium	20kg H: 470 W: 320 L: 675	13kg

*Due to variation between generators by different manufacturers, it is impossible for WIA to validate operation from all generators. Therefore, WIA recommends that operation of equipment on the generator is confirmed before purchasing either welder or the generator.



Weldmatic 250i

Part No: CP138-1

✓ GASLESS**✓ ALUMINIUM MIG****✓ MILD STEEL****250 AMP SINGLE PHASE WELDER**

With 250A of MIG, 200A of Stick and 250A of Lift-TIG capability the Weldmatic 250i is suitable for rural applications, construction sites, automotive panel repair and exhaust repair.

EASY SET-UP & ADJUSTMENT

The control panel allows easy selection for gas and wire type, with infinitely variable voltage and wire speed, indicated on the digital display.

PACKAGE INCLUDES

- Euro Gun Cable (3.6m)
- Work Lead (3m)
- Industrial Twist Lock Electrode Holder (3m)
- Gas Regulator
- Drive Rollers – 0.9/1.2mm V Groove, 0.9/1.2mm Knurled (Gasless)
- Tips (0.6/0.8/0.9/1.2mm)

SPOOL CAPACITY

Suits 5kg & 15kg spool.

OPTIONAL ACCESSORIES**PART NO.**

Trolley with Drawer | AM358

QUICK & EASY GUN CABLE ASSEMBLY

Supplied with a tradesman quality gun and cable complete with euro connector for easy fitting and removal.

PORTABLE

At 25.5kg, the Weldmatic 250i is portable and comes supplied with 2 handles for easy two person lift, making it suitable for onsite maintenance.

**ALUMINIUM MIG ACCESSORIES****PART NO.**

Drive Roller (x2)	WF029
Nylon Liner (0.9/1.2mm)	BE43115X
Austmig Wire 5356 1.0mm 6kg	M535610S
Austmig Wire 5356 1.2mm 6kg	M535612S

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA *	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
240 Vac - 50/60 Hz	20.2 Amps	45 Amps	13 kVA	15 Amps**	250 A at 26.5 V, 20% Duty Cycle 112 A at 19.6 V, 100% Duty Cycle	30 - 250 Amps	0.6 - 0.9 solid 0.8 - 1.2 cored 1.0 aluminium	36kg L: 735mm W: 355mm H: 565mm	25.5kg

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Therefore, WIA recommends that operation of equipment on the generator is confirmed before purchasing either welder or the generator.

**15 Amp plug for commissioning purposes only.





MIG & MULTI-PROCESS

Weldmatic 350i

✓ **ALUMINIUM MIG**

✓ **STEEL**

✓ **ARC AIR GOUGING**

✓ **CORED WIRE**



**FITTED WITH 32A
3 PHASE PLUG**

350 AMPS
OF GENUINE RATED POWER

**VOLTAGE SENSING
WIREFEEDER COMPATIBILITY**

EQUIPMENT & OPTIONS

PART NO.

Weldmatic 350i	CP139-3
W66 Wirefeeder	WFL016
W65 Wirefeeder	WFL015
Trolley with Drawer	AM358

ALUMINIUM MIG ACCESSORIES

PART NO.

Drive Roller (x2)	WF029
Nylon Liner (0.9/1.2mm)	BE43115X
Austmig Wire 5356 1.0mm 6kg	M535610S
Austmig Wire 5356 1.2mm 6kg	M535612S

Part No: CP139-1 - [Package with W66 Wirefeeder and Trolley with Drawer]

PACKAGE INCLUDES

- W66 4 Roll Drive Wirefeeder
- Euro Gun Cable (3.6m) With Bernard Centerfire 0.9mm Tip
- Industrial Twist Lock Electrode Holder (3m)
- Interconnecting Lead (10m)
- Gas Regulator
- Work Lead (10m)
- Drive Rollers – 0.9/1.2mm V Groove & 0.9/1.2mm Knurled

**350 AMP
3 PHASE WELDER**

Ideal for medium to heavy fabrication, and all general industrial fabrication applications.

**FLEXIBILITY
& POWER**

Optimal weld characteristics provide high quality results on steel, stainless steel and aluminium, plus the power to comfortably run all popular sizes of solid and flux cored wires.

With the capacity to run 1.6mm flux cored wire, the 350i can handle a wide range of applications.

**VARIABLE
ARC CONTROL**

The package features allow full control of the arc. Infinite Voltage control and Arc control to adjust arc harshness, and Arc Start to control the wire starting speed.

FAN ON DEMAND

The Fan-on-Demand cooling system uses less power and generates less noise by only operating when needed, meaning improved efficiency, less maintenance and a safer working environment.

DIGITAL METERS

Digital Volt and Amp meters retain last weld information and allow precise set-up.

SPOOL CAPACITY

Suits 5kg & 15kg spool.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GEN. kVA *	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE / ELECTRODE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
380/415 Vac - 50/60Hz 3 Phase	19.4 Amps	25 Amps	15 kVA	Stick (MMA) - 350 A at 34 V, 60% Duty Cycle 271 A at 30.8 V, 100% Duty Cycle	25 - 350 Amps	Carbon Arc Max. 6mm	131kg L: 1100mm W: 570mm H: 1080mm	93kg
				TIG - 350 A at 24 V, 60% Duty Cycle 271 A at 20.8 V, 100% Duty Cycle				
				MIG - 350 A at 31.5 V, 60% Duty Cycle 271 A at 27.6 V, 100% Duty Cycle		0.9-1.6 solid 0.9-1.6 cored		

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MIG & MULTI-PROCESS

Weldmatic 500i

✓ **ALUMINIUM MIG**

✓ **STEEL**

✓ **ARC AIR GOUGING**

✓ **CORED WIRE**



**FITTED WITH 32A
3 PHASE PLUG**

500 AMPS
OF GENUINE RATED POWER

**VOLTAGE SENSING
WIREFEEDER COMPATIBILITY**

EQUIPMENT & OPTIONS

PART NO.

Weldmatic 500i	CP140-3
W65 Wirefeeder	WFL015
W66 Wirefeeder	WFL016
Trolley with Drawer	AM358

ALUMINIUM MIG ACCESSORIES

PART NO.

Drive Roller (x2)	WF072
Nylon Liner (0.9/1.2mm)	BE43115X
Nylon Liner (1.2/1.6mm)	BE44215N
Austmig Wire 5356 1.0mm 6kg	M535610S
Austmig Wire 5356 1.2mm 6kg	M535612S

Part No: CP140-1 - [Package with W65 Wirefeeder and Trolley with Drawer]

PACKAGE INCLUDES

- W65 4 Roll Drive Heavy Duty Wirefeeder
- Euro Gun Cable (3.6m) with Bernard Centerfire 0.9mm Tip
- Industrial Twist Lock Electrode Holder (3m)
- Drive Rollers – 0.9/1.2 & 1.2/1.6mm V Groove, 0.9/1.2 & 1.2/1.6mm Knurled
- Interconnecting Lead (10m)
- Work Lead (10m) with Heavy Duty G Clamp
- Gas Regulator

500 AMP 3 PHASE WELDER

Ideal for medium to heavy fabrication, and all general industrial fabrication applications.

FLEXIBILITY & POWER

Optimal weld characteristics provide high quality results on steel, stainless steel and aluminium, plus the power to comfortably run all popular sizes of solid and flux cored wires. With the capacity to run 1.6mm flux cored wire, the 500i can handle a wide range of applications.

VARIABLE ARC CONTROL

The package features allow full control of the arc. Infinite Voltage control and Arc control to adjust arc harshness, and Arc Start to control the wire starting speed.

FAN ON DEMAND

The Fan-on-Demand cooling system uses less power and generates less noise by only operating when needed, meaning improved efficiency, less maintenance and a safer working environment.

DIGITAL METERS

Digital Volt and Amp meters retain last weld information and allow precise set-up.

SPOOL CAPACITY

Suits 5kg & 15kg spool.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GEN. kVA *	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	WIRE / ELECTRODE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
380/415 Vac - 50/60Hz 3 Phase	28.7 Amps	37 Amps	25 kVA	Stick (MMA) - 490 A at 39.6 V, 60% Duty Cycle 387 A at 33.4 V, 100% Duty Cycle	37 - 500 Amps	Carbon Arc Max. 8mm	138kg L: 1100mm W: 570mm H: 1080mm	96kg
				TIG - 500 A at 30 V, 60% Duty Cycle 387 A at 25.5 V, 100% Duty Cycle				
				MIG - 500 A at 39 V 60% Duty Cycle 387 A at 33.4 V 100% Duty Cycle		0.9 - 1.6 solid 0.9 - 1.6 cored		

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Arc & TIG Inverters

**RELIABLE, PORTABLE & COMPACT
FOR ONSITE & FIELD MAINTENANCE**

- Generator compatible – tolerant to unconditioned power from generators.
- Built in operator safety.
- Hot Start for manual arc – for even better arc starting.
- Arc Force – constantly monitors arc voltage and boosts output if low arc voltage occurs.
- Lift Arc TIG Start – eliminates scratch starting and tungsten electrode damage.

Weldarc 140i

Part No: MC104-0

 **STICK WELDING**
 **TIG WELDING (DC)**
 **LIFT ARC START**
WELDARC 140i KEY FEATURES

- 140 Amp Arc & TIG welder
- Compact, lightweight design
- Suits 2.0 - 3.2mm electrodes
- Suits long extension leads
- Includes padded shoulder strap

PACKAGE INCLUDES

- Work Lead (2m) With Heavy Duty Clamp
- Industrial Twist Lock Electrode Holder (3m)
- Padded Shoulder Strap

OPTIONAL VRD

The 140i is supplied with the VRD option disabled. If VRD is required, it can be enabled by an authorised WIA Service Agent. When activated, VRD delivers added safety when operating in Stick mode and meets the requirements of site work. Fully compliant to Australian Standards AS60974.1 & AS1674.2 CAT C.

10 AMP PLUG

Comes with a 10 Amp plug to suit common power supply outlets, making on-site maintenance easy and convenient.

CELLULOSE ELECTRODES

The combined feature of “Arc Force”, “Hot Start” and high open circuit voltage capability allows the use of Cellulose electrodes.

PORTABLE

At only 4.8kg, the Weldarc 140i can go wherever the job takes you, making it ideal for onsite maintenance.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA *	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	ELECTRODE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
240 Vac - 50/60 Hz	10 Amps	22 Amps	6 kVA	10 Amps	140 A at 25.6 V, 20% Duty Cycle 62 A at 22.5 V, 100% Duty Cycle	20 - 140 Amps	2.0 - 3.2	7kg H: 320mm W: 220mm L: 440mm	4.8kg

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Weldarc 180i

Part No: MC103-0

 **STICK WELDING**
 **TIG WELDING (DC)**
WELDARC 180i KEY FEATURES

- 180 Amp Arc & TIG welder
- Compact, lightweight design
- Suits 2.0 - 4.0mm electrodes
- 15A 240 VAC supply
- Suits long extension leads
- Includes padded shoulder strap and carry case

PACKAGE INCLUDES

- Work Lead (2m) With Heavy Duty Clamp
- Industrial Twist Lock Electrode Holder (3m)
- Padded Shoulder Strap
- Carry Case

VRD

A built in VRD (Voltage Reduction Device) delivers added safety when operating in Stick or Lift-TIG mode and meets the requirements of site work. Fully compliant to Australian Standards AS 60974.1 and AS1674.2 CAT C.

PORTABLE

At only 6.5kg, the Weldarc 180i can go wherever the job takes you, making it ideal for onsite maintenance.

CELLULOSE ELECTRODES

The combined feature of “Arc Force”, “Hot Start” and high open circuit voltage capability allows the use of Cellulose electrodes.



PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA*	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	ELECTRODE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
240 Vac - 50/60 Hz	15 Amps	35 Amps	10 kVA	15 Amps	180 A at 27.2 V, 18% Duty Cycle 76 A at 23.2 V, 100% Duty Cycle	20 - 180 Amps	2.0 2.5 3.2 4.0	10.5kg H: 415mm W: 185mm L: 530mm	5.6kg

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ARC & TIG

Weldarc 200i AC/DC

✓ ALUMINIUM TIG WELDING

✓ HF PULSE START

✓ STICK



KEY FEATURES

- 200 Amp AC or DC TIG
- AC TIG for Aluminium
- 170 Amp Stick welder
- TIG HF Pulse Arc Start or TIG Lift Arc Start
- Pulse TIG
- Suits 2.0 - 4.0mm electrodes
- 15 Amp supply plug

8M TIG TORCH WITH TRIGGER & CURRENT CONTROL

Part No: MC105-0

DC TIG

DC TIG can be used for all steel, stainless steel, copper, copper alloys and titanium. When welding in DC current HF Pulse start allows easy not contact starts for critical applications.

VRD

A built in VRD (Voltage Reduction Device) delivers added safety when operating in Stick or Lift-TIG mode and meets the requirements of site work. Fully compliant to Australian Standards AS 60974.1 and AS1674.2 CAT C.

AC TIG

AC can be used specifically for TIG welding aluminium and aluminium alloys. The balance between positive and negative can be adjusted to control the amount of oxide cleaning for a more penetrating weld. When welding in AC current HF pulse start allows easy arc starting when welding aluminium.

INTEGRATED GAS VALVE

HF PULSE START

HF Pulse is a non-contact arc starting method allowing easy arc start without the interference problems with conventional HF and eliminates tungsten contamination. Available in AC or DC TIG mode.

PORTABLE

At 19.5kg, the Weldarc 200i can go wherever the job takes you, making it suitable for onsite maintenance.

PACKAGE INCLUDES

- > Work Lead (3m)
- > Industrial Twist Lock Electrode Holder (3m)
- > TIG Torch with in-built trigger and current control (8m)
- > Gas Regulator

PULSE TIG

The Pulse TIG features allows the user to adjust current peak and pulse frequency. Pulse TIG reduces heat input to material but still allowing filler metal melt, and maintains good penetration. Useful on thin materials, and near edges.

PRIMARY VOLTAGE	RATED PRIMARY CURRENT	MAX. PRIMARY CURRENT	REC. GENERATOR kVA*	SUPPLY PLUG	RATED OUTPUT @ 40C (10 MIN)	WELDING CURRENT RANGE	ELECTRODE SIZE RANGE (MM)	SHIPPING INFO	MACHINE WEIGHT
240 Vac - 50/60 Hz	13 Amps	34 Amps	10 kVA	15 Amps	Stick MMA -	5 - 170 Amps	2.0	30.5kg L: 770mm W: 335mm H: 460mm	19.5kg
					170 A at 26.8 V, 15% Duty Cycle		2.5		
					66 A at 22.6 V, 100% Duty Cycle	3.2			
					TIG -	5 - 200 Amps	4.0		
					200 A at 18 V, 15% Duty Cycle				
					77 A at 13.1 V, 100% Duty Cycle				

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