

CIGWELD

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For a Whole New Weld

Three Phase Welding Inverters

Features

AS	Compliant to AS 60974.1-2006		Stick (MMAW) Process Capabilities		VRD Virtually Eliminates Electric Shocks when Not Welding		Digital Amperage/Voltage Meter
	Conforms to the requirements of AS 1674.2		Lift TIG (GTAW) Process Capabilities		Intelligent Fan Control		3 Year Limited Warranty
315 AMP	Current Range for this Power Source is 5 to 315A (TIG Mode)		Fail to Safe Shutdown if VRD Malfunctions		Maximum Electrode Size 5.0mm Suitable for all Electrode Types	DC	Power Source Provides DC Welding Output.
	Power Source is Fitted with HF start in TIG Mode. (Transtig 300Ti & Transtig 300Pi Only)		Power Source is Fitted with Pulse Welding Capabilities in TIG Mode. (Transtig 300Pi Only)				

Ordering Information

	W1008305	Transarc 300i Power Source
	W1008302	Transtig 300Ti Power Source
	W1008300	Transtig 300Pi Power Source

Optional Accessories Information

646757	Lead Set 5m, 400A with 50mm ² Dinse Connectors
646325	Lead Set 8m, 400A with 50mm ² Dinse Connectors
646763	Electrode Holder with 8m lead, Trigger Switch (Deadman Switch) and 50mm ² Dinse Plug
W4014604	TIG Torch 26F with Flex Head, 4m lead, Trigger Switch and Remote Control and 50mm ² Dinse Plug*
B6SAK2	TIG Torch Accessories Kit
W4015800	Foot Control with 8m lead
301526	Comet Edge Argon regulator/flowmeter
W7004913	Shielding Gas Hose Assembly

* TIG Torch 26F W4014604 is rated for 200A DC @ 30% and 300A DC @ 14%

Are You Protected

ProPlus⁺ Digital Auto Darkening Welding Helmet



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In the interest of continuous improvement, CIGWELD Pty Ltd ABN 56 007 226 815 (Victor Technologies International) reserves the right to change the specifications or design on any of its products without prior notice.



Transarc Transtig

- Transarc 300i Stick, Lift TIG
Transtig 300Ti Stick, Lift TIG, HF TIG
Transtig 300Pi Stick, Lift TIG, HF TIG, Pulse
- Standards compliant Voltage Reduction Device (VRD)
- Fail to Safe Shutdown if VRD malfunctions
- Fully compliant to AS 60974.1-2006
- Enclosure rated to IP23S
- User friendly control panel with digital Voltage and Amperage meters
- 3 Year Limited Warranty*



VRD
Voltage Reduction Device

www.cigweld.com.au

300i-series - a whole new weld

From intricate pipework to heavy-duty fabrication, CIGWELD's 300i-series are robust 3 phase Tig and Arc welding inverters that get the job done – without compromising on safety!

When a tough job calls for the right tools, look no further than our 3 phase i-series welding inverters.

With 300 amps at the stick, you've got all the power you need – whether you're welding stainless or working heavy-duty structures. More output at your fingertips means you get a much better duty cycle too.

Like our popular 130 and 170 amp single-phase Transarc and Transtig i-series inverters, these machines are packed with safety features which makes them ideal in environments like mining, construction or medium to heavy fabrication.

VRD reduces voltage at the stick before you start to just 8V DC, a fail-to-safe switch shuts the unit down if the voltage gets too high, and the whole machine is encased in a tough, protective IP23S-rated metal shell. Dead Man Switch* is also available on all models, which ensures voltage at the stick before you start is zero.

As a DC unit the 300i-series is a safer option than any AC stick welders, and also delivers a smoother, more refined arc – which means a better quality weld.

All of which means that you can keep on delivering, even on the most demanding jobs.

"A tough all-round welder that doesn't compromise on performance or safety"

Specifications

Description	Transarc 300i	Transtig 300Ti	Transtig 300Pi
Processes:	Stick (MMAW), Lift TIG (GTAW)	Stick (MMAW), Lift TIG (GTAW), HF TIG (GTAW)	Stick (MMAW), Lift TIG (GTAW), HF TIG (GTAW), Pulse (GTAW)
Supply Voltage:	415V +/- 15%, 50/60Hz	415V +/- 15%, 50/60Hz	415V +/- 15%, 50/60Hz
Effective Input Current I_{eff} :	12.5A	12.5A	12.5A
Current Range: Stick (MMAW) TIG (GTAW)	5 – 300A 5 – 315A	5 – 300A 5 – 315A	5 – 300A 5 – 315A
Open Circuit Voltage:	8V DC (VRD On)	8V DC (VRD On)	8V DC (VRD On)
Duty Cycle (40°C, 10 mins)	Stick (MMAW): 300A@35%, 200A@100% TIG (GTAW): 315A@40%, 200A@100%	Stick (MMAW): 300A@35%, 200A@100% TIG (GTAW): 315A@40%, 200A@100%	Stick (MMAW): 300A@35%, 200A@100% TIG (GTAW): 315A@40%, 200A@100%
Minimum Generator Recommended:	13kW (16.2 kVA at 0.8PF) @ 300A (Stick)* 8.6kW (10.7 kVA at 0.8PF) @ 220A (Stick)* 9.6kW (12.0 kVA at 0.8PF) @ 315A (TIG)* 4.9kW (6.1 kVA at 0.8PF) @ 200A (TIG)*	13kW (16.2 kVA at 0.8PF) @ 300A (Stick)* 8.6kW (10.7 kVA at 0.8PF) @ 220A (Stick)* 9.6kW (12.0 kVA at 0.8PF) @ 315A (TIG)* 4.9kW (6.1 kVA at 0.8PF) @ 200A (TIG)*	13kW (16.2 kVA at 0.8PF) @ 300A (Stick)* 8.6kW (10.7 kVA at 0.8PF) @ 220A (Stick)* 9.6kW (12.0 kVA at 0.8PF) @ 315A (TIG)* 4.9kW (6.1 kVA at 0.8PF) @ 200A (TIG)*
Weight:	22.5kg (Power Source)	23kg (Power Source)	23kg (Power Source)
Power Source Dimensions:	434 H x 238 W x 517 D mm	434 H x 238 W x 517 D mm	434 H x 238 W x 517 D mm
Protection Class:	IP23S	IP23S	IP23S

Features

Fully compliant to AS 60974.1-2006	✓	✓	✓
Standards Compliant Voltage Reduction Device (VRD)	✓	✓	✓
Fail to Safe Shutdown	✓	✓	✓
Deadman Switch (Stick) Available*	✓	✓	✓
HF TIG (GTAW)		✓	✓
Pulse (GTAW)			✓
Digital Voltage and Amperage Meters	✓	✓	✓
Fan on Demand	✓	✓	✓

Applications

Ideal for:	Medium to Heavy Fabrication Agriculture Mines Construction and Maintenance	Stainless Steel/ Mild Steel Fabrication Maintenance and Repair Mines Construction and Maintenance	Stainless Steel/ Mild Steel Fabrication Industrial Manufacturing Food and Beverage Industry
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* Due to large variations in performance and specifications of different brands and types of generators, CIGWELD cannot guarantee full welding output power or duty cycle on every brand or type of generator. CIGWELD recommends that when selecting a generator, that the particular power source / generator combination be adequately trialled to ensure the combination performs to the users expectations.

* Dead Man Switch feature can only be enabled by a suitably qualified electrical tradesperson or Accredited CIGWELD Service Provider.

Three Phase Welding Inverters

Transarc 300i



The 300i is a no-nonsense workhorse that handles the toughest stick and lift TIG welding jobs. This is ideally suited to medium to heavy-fabrication, construction, mining or agriculture industries.

Your safety is paramount so the Transarc 300i incorporates our voltage reduction device, where voltage before you start welding is just 8V – about the lowest of any machine available, along with an optional simple handle mounted Dead Man Switch* that allows you to cut voltage at the stick before you start to zero. Additionally if the voltage at the terminals on the 300i goes above 35V whilst not welding, the machine immediately shuts down to prevent a shock.

Along with operator safety we know you also want to keep costs down and ensure the longevity of your equipment. We incorporated Fan-on-Demand which cuts power consumption and keeps the metallic dust on the outside. And best of all, with more power at your fingertips, there's no need to work the machine so hard. So you get a better duty cycle from the 300i-series – up to 35% in fact.

We also understand the harsh environments you work in. That's why our 300 i-series machines feature two separate LED displays – one for amps, the other for voltage – so you can check your output, however dark or dusty it is. And with an inbuilt memory – the 300i will also retain the actual welding amp and volt values for 10 seconds after welding ceases.

Power Source Contents (Part No W1008305)

- Transarc 300i Inverter Power Source
- Shielding Gas Hose Assembly
- Product Bag
- Operating Manual

Transtig 300Ti



The Transtig 300Ti offers all the above benefits of the powerful 300i with the addition of High Frequency (HF) Start in TIG mode. By incorporating HF start in the Transtig 300Ti we have created a unit jam packed with safety features, economical benefits, and inbuilt intelligence that is ideal for those specialist TIG welders mastering pipework in power stations, the mining or oil and gas industries, or anywhere you need a clean electrode and a higher quality weld.

Gas control is also at your fingertips – so there's no more gas wastage. If you're not welding, the gas isn't flowing. And if you buy the optional TIG torch with adjustable control at your fingertips you can be assured that stopping to change settings on the power source is a thing of the past, as you can make your welding current adjustment as you work ensuring ultimate operator efficiency.

Power Source Contents (Part No W1008302)

- Transtig 300Ti Inverter Power Source
- Shielding Gas Hose Assembly
- Product Bag
- Operating Manual

Transtig 300Pi



With all the functionality and user benefits of the other 300i-series models, the Transtig 300Pi is in a league of its own. The top of the range pulse TIG 300 Pi model gives you precise heat control – improving penetration and giving you a cleaner finish – ideal for stainless steel fabrication in the food and beverage or wine industries, or balustrade and handrail work.

Summarised Features:

- Pulse TIG for precise heat control
- High Frequency start in TIG mode
- VRD: Start welding at 8VDC
- Fail to Safe: Shutdown when voltage exceeds 35V whilst not welding
- IP23S compliant
- Gas trigger shut off. No wasted gas.
- Fan On Demand - only runs when required
- DC Welder = safer = smoother
- Inbuilt 10 sec welding value memory
- Two separate LED displays (Amps & Volts)
- Optional Dead Man Switch* – 0V before you start
- Optional TIG torch – hand current control adjustment

It's hard to believe that so much has been crammed into one unit – it really is a weld of opportunities!

Power Source Contents (Part No W1008300)

- Transtig 300Pi Inverter Power Source
- Shielding Gas Hose Assembly
- Product Bag
- Operating Manual