

EasyWeld SSR 400-T

Thyristorised Power Source for DC TIG and MMA

- Robust and compact construction.
- Outstanding welding characteristics in TIG / MMA.
- Hex-phase rectification gives almost ripple free output.
- Suitable for all positional welding.
- True vertical welding characteristics.
- Built-in HF for smooth start in TIG.
- Higher OCV for better arc striking.
- Heavy-duty design, suitable for manual well as mechanized TIG applications of any kind.
- Built-in hot start and anti-stick in MMA improves droplet separation from the electrode and improves weldability.
- Remote control for adjustment of welding current while welding in progress.

Technical Data	EasyWeld SSR 400-T
Mains supply, Ph x V, Hz	3x415±10%, 50
Open circuit voltage, VDC (Max)	100
Welding current range, A	10-400
Output at 60% duty cycle, A	400
Output at 100% duty cycle, A	310
Class of insulation	H
Type of cooling	Forced Air
Dimensions, l x w x h, mm	675 x 350 x 690
Weight, Kg	155

Caddy Tig 1500i/2200i TA33/TA34

Single Phase Portable Inverters for DC TIG/Pulse TIG/MMA Welding

- Rugged design - impact resistant polymer design.
- Built-in PFC to counter harmonics, Arc Plus II regulator for smooth output, handles 100m long mains cable.
- TIG - Start by HF/Lift Arc, up/down slope, pre/post gas.
- TA33 - Auto set of parameters based on plate thickness
- TA34 - Manually set pulse parameters in TIG.

Technical Data	Caddy Tig 1500i	Caddy Tig 2200i
Mains supply,	1 x 230 V, 50 Hz	1 x 230 V, 50 Hz
Fuse (slow), A	16	16
Open circuit voltage, VDC (Max)	72	72
Welding current range, A (TIG/MMA)	4-150/3- 150	4 - 220 / 3 - 220
Output at 60% duty cycle, A	120	150
Enclosure class	IP 23	IP23
Application class	S	S
Standards of compliance	IEC 60974-1 /-10	IEC 60974-1 /-10
Dimensions, l x w x h, mm	488 x 188x208	488 x 188x208
Weight, Kg	9.2	9.4

Origo Tig 3000i TA23 / TA24

Inverter Power Sources for DC TIG/Pulse TIG/MMA

- Inverter power sources for MMA, DC TIG (TA23) and also DC Pulse TIG (TA24) with excellent welding output.
- Robust and compact construction.
- Digital display of the welding parameters.
- 2 job memories (TA24).
- All positional welding.
- Burns MMA electrodes of any class of size up to 5.0 mm.
- Trolley, remote hand / foot control optional.

Technical Data	Tig 3000i (TA23)	Tig 3000i (TA24)
Power Source	Tig 3000i	Tig 3000i
Mains supply, Ph x V, Hz	3x400±10%, 50	3x400±10%, 50
Open circuit voltage, VDC (Max)	67	67
Welding current range, A (TIG)	4-300	4-300
Welding current range, A (MMA)	16-300	16-300
Output at 60% duty cycle, A	240	240
Output at 100% duty cycle, A	200	200
Type of cooling	Forced Air	Forced Air
Enclosure class	IP23C	IP23C
Application class	S	S
Dimensions, l x w x h, mm	652 X 249 X 423	652 X 249 X 423
Weight, Kg	30	30
Standards of compliance	IEC/EN 60974-1/-3 IEC/EN 60974 -10	IEC/EN 60974-1/-3 IEC/EN 60974-10
Control Panel	TA23	TA24
TIG start mode	HF/Lift Arc	HF/Lift Arc
2/4 Stroke	2/4	2/4
Slope up, sec	0- 10	0- 10
Slope down, sec	0- 10	0- 10
Gas pre-flow, sec	0-5	0-5
Gas post-flow, sec	5-25	5-25
Pulse/ background current, A	-	4-300
Pulse/ background time, sec	-	0.01 - 2.5
Cooling Unit	CoolMidi1800	CoolMidi1800
Coolant type	50% water / 50% ethylene glycol	50% water/ 50% ethylene glycol
Cooling power, W*	1700	1700
Coolant volume, ltr	4.2	4.2
Max flow, ltr/min	4	4
Dimensions, l x w x h, mm	710x385x208	710x385x208
Weight (empty), Kg	19	19
Standards of compliance	IEC/EN 60974 -2/10	IEC/EN 60974-2/-10

* At 40 Deg C temperature difference and flow rate 1.5 ltr/min

Aristo Tig 4000i TA4 / TA6

Inverter Power Sources for DC TIG /Pulse TIG/MMA

- Heavy-duty power sources for MMA, DC TIG (TA4) and also DC Pulse TIG (TA6) with excellent welding output.
- Robust and compact construction.
- Dust filter to withstand tough working environment.
- 10 job memories (TA6).
- Welding thin sheets using pulse TIG (TA6).
- All positional welding with high efficiency and quality.
- Suitable for manual and mechanized TIG applications.
- Burns MMA electrodes of any class of size up to 6.3 mm.
- Trolley, remote hand / foot control optional.

Technical Data	Tig 4000i (TA4)	Tig 3000i (TA6)
Power Source	Tig 4000i	Tig 4000i
Mains supply, Ph x V, Hz	3x400±10%, 50	3x400±10%, 50
Open circuit voltage, VDC (Max)	90	90
Welding current range, A (TIG)	4-400	4-400
Welding current range, A (MMA)	16-400	16-400
Output at 60% duty cycle, A	320	320
Output at 100% duty cycle, A	250	250
Type of cooling	Forced Air	Forced Air
Enclosure class	IP 23	IP 23
Application class	S	S
Dimensions, l x w x h, mm	625 x 394 x 476 625 x 394 x 776*	625 x 394 x 476 625 x 394 x 776*
Weight, Kg	59 / 79*	59 / 79*
Standards of compliance	IEC/EN 60974-1/-10	IEC/EN 60974-1/-10
Cooling Unit*		
Coolant type	50% water/ 50% ethylene glycol	50% water / 50% ethylene glycol
Cooling power, W**	2500	2500
Coolant volume, ltr	5.5	5.5
Max flow, ltr/min	2	2
Control Panel	TA4	TA6
TIG start mode	HF/Lift Arc	HF/Lift Arc
2/4 Stroke	2/4	2/4
Slope up, sec	0-5	0-5
Slope down, sec	0- 10	0- 10
Gas pre-flow, sec	0-5	0-5
Gas post-flow, sec	5-25	5-25
Pulse / background current, A	-	4-400
Pulse / background time, sec	-	0.001 -0.1

Applies to water cooled models Aristo Tig 4000iw TA4 / TA6 only At 40 Deg C temperature difference and flow rate 1.5 ltr/min

Heliarc 252 / 352 AC/DC

Thyristorised Power Sources for AC/DC TIG/DC Pulse TIG/MMA

- Heavy-duty power sources for MMA, AC/DC TIG and DC Pulse TIG. with high quality welding output.
- Robust construction and proven design.
- Square wave AC output gives superior welding with improved cleaning.
- AC wave balance control - allows adjustment from maximum cleaning to maximum penetration.
- Arc force control — fine-tunes the arc for stick welding from soft to a high penetration, digging arc.
- Complete solid-state design with no mechanical contactor, which eliminates output drift as well as lowers maintenance and promotes long life.
- Adjustable pre-flow and post-flow gas control - protects weld area and extends tungsten life.
- Protected against overheating and overcurrent.

Technical Data	Heliarc 252	Heliarc 352
Mains supply, Ph/Lx V, Hz	2/3x400±10%, 50	2/3x400±10%, 50
Open circuit voltage, V (Max)	79	79
Welding current range, A	5-320	3-380
Output at 40% duty cycle, A	250	350
Type of cooling	Forced Air	Forced Air
Dimensions, l x w x h, mm	823 x 463 x 635	823 x 463 x 635
Weight, Kg	180	214
TIG torch, air cooled	HW-26	HW-26
TIG torch, water cooled	HW-18	HW-18
Torch length, HW-26/18, m	3.8/7.6	3.8/7.6
Foot switch, TIG	FC-5B EHD	FC-5B EHD
Torch control, TIG	TC-2B	TC-2B
Digital Meter	Optional	Standard
Pulse control kit	Optional	Optional
Slope control kit	Optional	Optional
Power factor correction kit	Optional	Optional
Cooling Unit	WC-8C	WC-8C
Trolley with 2-cylinder rack	TR-23A Truck Kit	TR-23ATruck Kit

Caddy Tig 2200i AC/DC, TA33 / TA34 AC/DC

Inverter Power Sources for AC/DC TIG/DC Pulse TIG/MMA

- Portable power sources with wide functionalities.
- Digital display, 2 job memories.
- TA33 - parameters adjusted based on plate thickness.
- TA34 - manually adjust all parameters.
- Burns MMA electrodes of any class of size up to 4.0 mm.
- Trolley and remote control available optionally.

Technical Data	Tig 2200i AC/DC (TA33 AC/DC)	Tig 2200i AC/DC (TA34 AC/DC)
Power Source	Tig 2200i	Tig 2200i
Mains supply, Ph x V, Hz	1 x230±10%, 50	1 x230±10%, 50
Open circuit voltage, VDC (Max)	64	64
Welding current range, A (TIG)	4-220	4-220
Welding current range, A (MMA)	16- 160	16- 160
Output at 60% duty cycle, A	150	150
Type of cooling	Forced Air	Forced Air
Enclosure class	IP 23	IP 23
Application class	S	S
Dimensions, l x w x h, mm	418 X 188X345	418 X 188X345
Weight, Kg	15	15
Standards of compliance	I EC/EN 60974-1/-3 I EC/EN 60974 -10	I EC/EN 60974-1/-3 I EC/EN 60974 -10
Control Panel	TA33	TA34
TIG start mode	HF/Lift Arc	HF/Lift Arc
2/4 Stroke	2/4	2/4
Slope up, sec	0- 10	0- 10
Slope down, sec	0- 10	0- 10
Gas pre-flow, sec	Preset	Preset
Gas post-flow, sec	0- 10	5-25
Pulse frequency DC, sec	-	0.01 -2.5
Frequency AC, Hz	-	10- 150
AC balance, %	-	50-98
Plate thickness, mm	1 -5	-
Cooling Unit	CoolMini	CoolMini
Coolant type	50% water, 50% mono ethylene glycol	50% water, 50% mono ethylene glycol
Cooling power, W*	780	780
Coolant volume, ltr	2.2	2.2
Max flow, ltr/min	2	2
Dimensions, l x w x h, mm	407 x 188 x 151	407 x 188 x 151
Weight (empty), Kg	4.5	4.5
Standards of compliance	IEC/EN60974-2/-10	I EC/EN 60974 -2/10

- At 40 Deg C temperature difference and flow rate 1.0 ltr/min
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Origo Tig 3000i AC/DC, TA24 AC/DC

Inverter Power Sources for AC/DC TIG/DC Pulse TIG/MMA

- Designed to weld any metal e.g. aluminium, copper, stainless steel and its alloys with high performance.
- Digital display, 2 job memories.
- QWave - High performance AC welding with low noise.
- Electrode preheating - excellent arc start and extended electrode life-time.
- Energy save made - cooling fan and pump on demand.
- Burns MMA electrodes of any class of size up to 5.0 mm.
- Trolley, remote hand / foot control optional.

Technical Data	Tig 3000i AC/DC, TA24 AC/DC
Mains supply, Ph x V, Hz	3x400±10%, 50
Open circuit voltage, V (Max)	64
Welding current range, A (TIG)	4-300
Welding current range, A (MMA)	16-300
Output at 60% duty cycle, A	240
Output at 100% duty cycle, A	200
Type of cooling	Forced Air
Enclosure class	IP23C
Application class	S
Dimensions, l x w x h, mm	652X412X423
Weight, Kg	42
Standards of compliance	IEC/EN 60974-1 /-3/-10
TIG start mode	HF/Lift Arc
2/4 Stroke	2/4
Slope up, sec	0- 10
Slope down, sec	0- 10
Gas pre-flow, sec	0-5
Gas post-flow, sec	5-25
Pulse/ background current, A	4-300
Pulse/ background time, sec	0.01 -2.5
AC balance, %	50-98
AC frequency, Hz	10- 152
Electrode preheating	1 - 100
Cooling Unit	CoolMidi 1800
Coolant type	50% water/ 50% ethylene glycol
Cooling power, W*	1700
Coolant volume, ltr	4.2
Max flow, ltr/min ⁴	4
Dimensions, l x w x h, mm	710x385x208
Weight (empty), Kg	19
Standards of compliance	IEC/EN 60974-2/-10

At 40 Deg C temperature difference and flow rate 1.5 ltr/min

Origo Tig 4300iw AC/DC, TA24 AC/DC

Heavy-duty Inverter Power Sources for Manual/Mechanized TIG (AC/DC TIG /DC Pulse TIG) and MMA Welding

- Designed to weld any metal e.g. aluminium, magnesium, copper and its alloys, MS and SS with high performance.
- Robust construction, Digital display, 2 job memories.
- QWave - High performance AC welding with low noise.
- Electrode preheating - excellent arc start and extended electrode life-time.
- VRD - Voltage Reduction Device, safety feature in MMA.
- Energy save made - cooling fan and pump on demand.
- Burns MMA electrodes of any class of size up to 6.3 mm.
- Arc force, hot start, polarity switch for welding in MMA.
- Trolley and remote hand / foot control optional.

Technical Data	Tig 4300iw AC/DC, TA24 AC/DC
Mains supply, Ph x V, Hz	3x400±10%, 50
Open circuit voltage, V (Max)	83
Welding current range, A (TIG)	4-430
Welding current range, A (MMA)	16-430
Output at 60% duty cycle, A	400
Output at 100% duty cycle, A	310
Type of cooling	Forced Air
Enclosure class	IP 23
Application class	S
Dimensions, l x w x h, mm	625 x 394 x 776
Weight, Kg	95
Standards of compliance	IEC/EN 60974-1 /-2/-3/-10
TIG start mode	HF/Lift Arc
2/4 Stroke	2/4
Slope up, sec	0- 10
Slope down, sec	0- 10
Gas pre-flow, sec	0-5
Gas post-flow, sec	5-25
Pulse / background current, A	4-430
Pulse / background time, sec	0.01 -2.5
AC balance, %	50-98
AC frequency, Hz	10- 152
Electrode preheating	1 - 100
Cooling Unit	Built-in
Coolant type	50% water/ 50% mono ethylene glycol
Cooling power, W*	2000
Coolant volume, ltr	5.5
Max flow, ltr/min ²	2

* At 40 Deg C temperature difference and flow rate 1.0 ltr/min

TIG Torches- Air/ Water Cooled

TXH 150/200 4/8m Air Cooled

TXH 250w/400w/400w HD 4/8m Water Cooled

TXH 150r/200r 4/8m Air Cooled with Remote Functions

TXH 250w/400w/400w HD 4/8m Water Cooled with Remote Functions

TXH 150V/200V 4/8m Air Cooled for Scratch TIG

- Rugged construction - trouble free operation with minimum maintenance.
- Ergonomically designed handle.
- Effective cooling system.
- All torches come with OKC connection as standard.
- TXH 150r/200r/250wr/400wr/400wrHDTIG torches available with remote control for CAN-bus based TIG machines i.e. for Caddy Tig 2200i AC/DC, Origo Tig 3000i, Origo Tig 3000i AC/DC, Aristo Tig 4000i and Origo Tig 4300iw AC/DC.
- Gas valve mounted TIG torches TXH 150V/ 200V for scratch TIG using rectifiers.
- Wide range of wear parts e.g. collet, collet body, nozzle, and gas lens available for welding in all positions.
- All the TIG torches conform to international standard IEC/EN 60974-7.

Technical Data	TXH 150/ TXH150r/ TXH 150V	TXH 200 / TXH 200r / TXH 200V	
Type of cooling	Air/Gas	Air/ Gas	
Connection	OKC 25/50	OKC 50	
Size of TIG rod, mm	1.0-3.2	1.0-4.0	
Rating, A@% duty cycle	150 @ 35%	200 @ 35%	
Length, m	4/8	4/8	
Technical Data	TXH 250w / TXH 250wr	TXH 400wr TXH 400w /	TXH400wHD/
Type of cooling	Water	Water	Water
Connection	OKC 50	OKC 50	OKC 50
Size of TIG rod, mm	1.0-3.2	1.0-4.8	1.0-4.8
Rating, A@% duty cycle	250 @ 60%	400 @ 35%	430 @ 35%
Length, m	4/8	4/8	4/8