



# Comparison Guide\*

## PowerTIG 325EXT / 400EXT and Typhoon 330



Let's talk about POWER. If you've been looking for a serious commercial/industrial TIG/Stick welder capable of tackling those huge jobs, chances are you are in sticker shock...and rightly so. With a water-cooler and a decent TIG kit with foot pedal, you could expect to pay well north of 10k dollars with nearly every brand. There are few offerings that really deliver anything below that mark, even though there are a large number of products on the market in the 300 to 400A class of TIG welders. We've included a range of machines, from a simple Analog controlled inverter design, to the industry's most advanced digitally controlled inverter, along with everything in-between. Even the more outdated models on this list are suffering a case of severe inflation.

It's very difficult sorting out the differences between brands with so many out there. The list of TIG and TIG/Stick welders that we've compiled are popular models in the 300 to 400A range. We've gone carefully line by line to make sure we have listed all the latest "in-demand" features that our customers have requested the most.

We've put some of our best product up side by side for comparison with these nationally known brands. Notice a difference? Yes, we are much better priced. We are not here to gouge the customer on the price. Our goal is to

keep prices low while offering you a maximum amount of features. If you are in the 90% of customers looking for something that can take care of most of your daily needs, with plenty of options the PowerTIG models are more than capable. They even have more advanced functions than some of the more ordinary welders in the lineup, like wave form control and advanced AC pulse. But if you are looking for high end, 10% of customers who need a lot of extra cutting edge features beyond what you'd expect from a well-appointed inverter TIG welder, then the new Typhoon class of welder is exactly what you are looking for. It's the new premier flag ship series of our TIG welding line. It provides a very high level of function, with the ability to offer Amplitude control and even the ability to split the wave form into separate wave shapes in AC mode. It also offers wave shape control of DC Pulse. It's combined with one of the TIG industry's largest High-definition (720) TFT screens. It comes in at 5.1" with a high contrast, easy to use interface.

When it comes down to it, we feel our Everlast Product line is the clear choice. But just so we are playing fair in our assessment of our product, you can see it for your self below. We'll let you decide.

SPECIFICATIONS	POWERTIG 325 EXT \$2799.00	TYPHOON 330** \$4299.00	POWERTIG 400 EXT \$3699.00	DYNASTY 300 (CPS) \$9626.00	SYNCROWAVE 300 \$6579.00	ASPECT 330 AC/DC \$9578.00	MT-375 AC/DC (w/cooler) \$9590.00	INVERTIG 301 \$5802.00	INVERTIG 400 MV \$12,008.00	i-WAVE 300MV \$11,415.00	ET-301I AC/DC \$9667.00
WARRANTY	5 Years Parts/Labor 3 Year Shipping	5 Years Parts/Labor 3 Year Shipping	5 Years Parts/Labor 3 Year Shipping	3 Year Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor
DESIGN TYPE	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC Analog Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter
INPUT VOLTAGE (NOMINAL)	240V 1/3 Ph (460/480V 3 Phase opt.)	240V 1/3 Ph (460/480V 3 Phase opt.)	240V 1/3 Ph (460/480V 3 Phase opt.)	208-600V 1/3 Phase	208-480V 1/3 Phase	208-600V 1/3 Phase	240V-460V 1 Phase	240V 1 Phase	208-240V 1 Phase 200-574V 3 Phase	200-600V 3 Phase	208-460V 1/3Ph
TIG OUTPUT	DC 5-325A/AC 10-325A	DC 5-325A/AC 5-325A	DC 5-400A/AC 10-400A	DC 1-300A/AC 2-300A	DC 5-300A /AC 5-300A	AC/DC 2-375A	240V 1 Phase: DC 5-275A /AC 5-260A 460V 1 Phase DC 5-375A /AC 5-350A	AC/DC 4-300A	208-240V 1 Phase: AC/DC 4-350A 200-575A 3 Phase AC/DC 4-400A	AC/DC 3-300A	1 Phase AC/DC 5-200A 3 Phase 5-300A
STICK OUTPUT	20-250A DC	20-250A (AC and DC)	20-315A DC	5-300A DC	5-230A	2-250A 1 Phase 2-375A 3 Phase	240V 1 Phase: DC 10-200A 460V 1 Phase DC 10-300A	4-260A	208-240V 1 Phase: 4-260A 200-240V 3 Phase 4-300A	AC/DC 10-300A	1 Phase AC/DC 10-150A 3 Phase AC/DC 10-200A
TIG DUTY CYCLE @ RATED AMPS	35% @ 325A	35% @ 325A	35% @ 400A	35% @ 300A	30% @ 300A	30% @ 350A 3 Phase 30% @ 250A 1 phase	DC 35% @ 275A 240V AC 35% @ 260A 240V DC 35% @ 375A 460V AC 35% @ 375A 460V	40% @ 300A	208-240V 1 Phase 35% @ 350A 200-575A 3 Phase 30% @ 400A	40% @ 300A	1 Phase 60% @ 200A 3 Phase 30% @ 300A
STICK DUTY CYCLE @ RATED AMPS	35% @ 250A	35% @ 250A	35% @ 250A	15% @ 300A	30% @ 230A	30% @ 350A 3 Phase 30% @ 240A 1 Phase	35% @ 200A 240V 35% @ 300A 460V	35% @ 260A	208-240V 1 Phase 35% @ 260A 200-575V 3 Phase 35% @ 300A	40% @ 300A	1 Phase 100% @ 150A 3 Phase 60% @ 200A
2T/4T REMOTE SWITCH CONTROL	Yes	Yes	Yes	Yes	Yes (Basic Hold Func.)	Yes	Yes	Yes	Yes	Yes	Yes
OCV/ VOLTAGE REDUCTION OCV	70V <24V VRD	88V <24V VRD	60V <24 VRD	60V 8-15 VRD	60V	108V	84V	68V VRD<18V	68V VRD<18V	102V	<113V
INRUSH (I <sub>1max</sub> ) AMPS 240V 1 Phase	50A	60A	53A	41A	53A	47A	44A	52A	50A	NA	33.7A
INRUSH (I <sub>1max</sub> ) AMPS 240V 3 Phase	29A	36A	50A	31A	23A	42A	NA	NA	36A	28.8A	32A
INRUSH (I <sub>1max</sub> ) AMPS OTHER VOLTAGE 3 PH	19A (Opt. 460/480V 3Ph)	NA	23.1A (Opt. 460/480V 3Ph)	17A (460V 3Ph)	11A (460V 3Ph)	20A (@ 460V 3 Ph)	38A (@ 460V 1 Ph)	NA	17.6A (@ 460V 3 Ph)	16.2A (@ 460V 3 Ph)	17.2A (@460V 3 Ph)
RATED (I <sub>1eff</sub> ) 240V 1Phase	21A	52A	25A	25A	22A	31A	26A	34A	31A	NA	Not Listed
RATED (I <sub>1eff</sub> ) 240V 3 Phase	19A	18A	30A	14A	13A	27A	NA	NA	Not Listed	23.5A	21.6A
RATED (I <sub>1eff</sub> ) OTHER VOLT./Phase	14A (Opt. 460/480V 3 Ph)	NA	14A (Opt. 460/480V 3 Ph)	10A (480V 3 Ph)	6A (480V 3Ph)	16A (@ 460V 3 phase)	23A (@ 480V 1 Ph)	NA	Not Listed	13.6A (@ 460V 3 Ph)	11.6A (@460V 3 Ph)
COLOR LOD DISPLAY AND TYPE	No	Yes, HD 5.1" TFT	No	Yes, 4.5" TFT	No	No	No	Yes, 4.3" TFT	Yes, 4.3" TFT	Yes, 4.3" TFT	No
HF START /LIFT START	HV/Lift w/Remote	HV/Live Lift/Lift w/Remote	HV/Lift w/Remote	HF/Live Lift/Lift w/Remote	HF/Live Lift/Lift w/Remote	HF/Live Lift/Lift w/Remote	HF Only	HF/Lift With Remote	HF/Lift With Remote	HF/Live Lift/Lift w/Remote	HF/Lift w/Remote
HF START TYPE	Solid State HV	Adjustable Solid State HV	Solid State HV	Adjustable Solid State	Solid State	Solid State	Adjustable Point Gap	Solid State	Solid State	Solid State	Solid State
SELECTABLE START POLARITY	No	Yes	No	Yes	No	Yes	No	No	No	Yes	Yes
AC WAVE FORM	Adv. Square/Soft Square/ Triangle/Sine (4)	Adv. Square/Soft Square/ Trapezoid/Triangle/Sine (5)	Adv. Square/Soft Square/ Triangle/Sine (4)	Adv. Square/Soft Square/ Triangle/Sine (4)	Square Wave	Square/Soft Square/ Triangle/ Sine (4)	Square	Square/Soft Square Triangle (3)	Square/Soft Square Triangle (3)	Square/ Soft Square/ Sine/Triangle	Square
AC INDEPENDENT AMPLITUDE (EN vs. EP AMPS)	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	No
AC INDEPENDENT HALF-WAVE SHAPE CONTROL	No	Yes	No	Yes	No	No	No	No	No	Yes	No
AC FREQUENCY	20-250 Hz	20-400Hz	20-250Hz	20-400Hz	60-150Hz	40-400Hz	20-200Hz	20-400Hz up to 100A 20-200Hz Over 100A	20-400Hz up to 100A 20-200Hz Over 100A	40-250Hz	30-200Hz
AC BALANCE	5-90% of EP(+)	5-70% of EP (+)	5-90% of EP(+)	30-99% of EN (-)	60-80% of EN (-)	35-99% of EN (-)	50-85% of EN	10-90% of EN	10-90% of EN	15-50% of EP	10-90% of EP
PRE FLOW	0-25 Seconds	0-30 Seconds	0-25 Seconds	0-25 Seconds	None	0-25 Seconds	Fixed .5 Seconds	.1-5 Seconds	.1-5 Seconds	0-30 Seconds	.1-10 Seconds
POST FLOW	0-50 Seconds	0-60 Seconds	0-50 Seconds	Auto/ 0-50 Seconds	Auto/ 0-50 Seconds	Auto/ .1-60 Seconds	5-20 Seconds	.1-99.9 Seconds	.1-99.9 Seconds	0.2-120 Seconds	20-500%
MINIMUM START AMPS	DC 5A /AC 10A	DC 5A/ AC 5A	DC 5A /AC 10A	DC 1A/ AC 2A	None	DC 2A / AC 2A	Fixed	10-90% of Welding Amps	10-90% of Welding Amps	0-200% of Welding Amps	5-200% of Welding A
MINIMUM END AMPS	DC 5A/ AC 10A	DC 5A/ AC 5A	DC 5A/ AC 10A	DC 1A/ AC 2A	None	DC 2A/ AC 2A	Fixed	10-90% of Welding Amps	10-90% of Welding Amps	0-200% of Welding Amps	5-200% of Welding A
UPSLOPE	0-25 Seconds	0-30 Seconds	0-25 Seconds	0-50 Seconds	None	0-5 Seconds	None	.1-10 Seconds	.1-10 Seconds	.01-30 Seconds	0-99% (max 200A)
DOWN SLOPE	0-25 Seconds	0-30 Seconds	0-25 Seconds	0-50 Seconds	None	0-25 Seconds	None	.1-10 Seconds	.1-10 Seconds	.01-30 Seconds	0-99% (max 200A)
AUTO RANGING PULSE	No	No	No	No	No	No	No	No	No	Yes	No
PULSED START	No	No	No	No	No	No	No	No	No	Yes	No
AC PULSE	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
DC PULSE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DC PULSE WAVE FORM SHAPING	No	Yes	Yes	Yes	No	No	No	No	No	Yes	No
AC ADVANCED PULSE (MIIXED AC /DC)	Yes	Yes	Yes	No	No	No	No	No	No	No	No
DC PULSE FREQUENCY	.1-500Hz	.1-999.9Hz	.1-500Hz	.1-500Hz	.1-150Hz	.1-2000Hz	1-200Hz	.4-999.9	.4-999.9	2-2000Hz	2-2000Hz
AC PULSE FREQUENCY	Adv. Sq. .1-250Hz Others .1-10Hz	.1-400Hz	Adv. Sq. .1-250Hz Others .1-10Hz	.1-500Hz	NA	.1-25% of AC Frequency	1-200Hz	4-20Hz	4-20Hz	2-2000Hz	2-500Hz
AC ADVANCED PULSE FREQUENCY	.1-10Hz	.1-10Hz	.1-10Hz	NA	NA	NA	NA	NA	NA	NA	NA
PULSE TIME ON (BALANCE)	5-100%	5-100%	5-100%	5-95%	Fixed	5-95%	Fixed @ 50%	10-90%	10-90%	0-100%	.1-99%
PULSE AMPS	5-99% of Welding Amps	5-99% of Welding Amps	5-99% of Welding Amps	5-95% of Welding Amps	Fixed	10-90%	10-100%	10-90%	10-90%	10-90%	1-200%
SPOT WELD TIMER	No	Yes, with Stitch Function	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
DC FAST TACKING (COLD WELD FEATURE)	No	Yes	No	No	No	No	No	No	No	No	No
TUNGSTEN SIZE SELECTION	No	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes, Reminder LED
SYNERGIC PROGRAMMING	No	Yes, Adv. PowerSet	Yes, Basic	Yes, Pro Set	Yes, Basic	Yes, on select functions	No	No	Yes	Yes	Yes, Basic
STICK OPERATION AC/DC	DC Only	Yes	DC Only	Yes	DC Only	Yes	DC Only	Yes	Yes	Yes	Yes
STICK E6010 CAPABLE (CELLULOSE)	Short Arc Only	Yes	Short Arc Only	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
STICK ARC FORCE CONTROL (DIG)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
STICK HOT START INTENSITY	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes
STUCK ROD FUNCTION/ ANTI-STICK	No	Yes	Yes	Yes	No	No	No	No	No	Yes	No
STICK HOT START TIME	Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes
ADJUSTABLE AC STICK (FREQUENCY/BALANCE, ETC.)	NA	Yes	NA	Yes	No	No	No	Yes	Yes	Yes	No
STICK PULSE	No	No	No	No	No	No	No	Yes	Yes	No	No
MEMORY	Yes	Yes	Yes	Yes	User supplied memory	Yes	No	Yes	Yes	Yes	Yes
WPS LOCKOUT	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	No
FAN CONTROL	On Demand	Yes, On Demand/Thermal/ Full Time capability	Full Time	Yes, On Demand	Yes, On Demand	Yes, As Needed	No	No	No	Yes, Programmable	Yes
COOLER CONTROL	Yes	Yes	Yes	Only with optional CPS	No	Yes	No	No	No	Yes	Yes
USER UPDATEABLE INTERFACE	Not customer serviceable	Not customer serviceable	Not customer serviceable	Yes	No	No	No	No	No	Yes thru Wi/ifi feature	No
FOOT PEDAL INCLUDED	Yes	Yes	Yes	No, Bare Unit	Yes	No, Bare Unit	Yes	Yes	Yes	No, Bare Unit	No, Bare Unit
WATER COOLER POWER RECEPTACLE INCORPORATED	Yes	Yes	Yes	Optional	No	Yes	No	Yes	Yes	Yes	Yes
TIG TORCH INCLUDED	125A, Air-Cooled 9 Series 12.5 ft. 250A, Water-Cooled 20 Series 12.5 ft.	250A, Water-Cooled Rotaflex 20, 12.5 ft. 125A Air-Cooled Rotaflex 9, 12.5 ft.	350A, Water-Cooled 18 Series 12.5 ft. 250A, Air-Cooled 26 Series 12.5 ft.	No, Bare unit, but optional packages available	No, Bare unit, but optional packages available	No, Bare unit, optional packages available	No, Bare unit, but optional packages available	350A, Air-Cooled 26 Series Heavy Hitter 12.5 ft	350A, Air-Cooled 26 Series Heavy Hitter 12.5 ft	No, Bare unit, optional packages available	No, Bare unit, optional packages available
POWER RECEPTACLE FOR COOLER	Yes	Yes	Yes	Yes, CPS version	Yes	Yes	Yes	No	No	Yes	Yes
STACKABLE COOLER AVAILABLE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
SIZE (NOMINAL)	26"Lx9.75"Wx17.5"H***	26"Lx9.75"Wx20"H***	26"Lx11"Wx17.5"H***	22"Lx8.5"Wx14"H	24.6"Lx15"Wx29.4"H	21"Lx11.8"Wx21"H	20.5"Lx10.5"Wx15"H	26.5"Lx12.25"Wx17.5" H	26.5"Lx12.25"Wx17.5" H	27.8"Lx11.8"Wx28.4"H	19"Lx7.25"Wx13"H
WEIGHT	57 lbs.	60 lbs	89 lbs	55 lbs.	101lbs.	105 lbs.	32 lbs.	117 lbs.	121 lbs.	142 lbs.	35.9 lbs

\*This publication is based on available information on January 15, 2024. It relies on other manufacturer data which is subject to change and may vary in accuracy. Prices are also subject to change.  
 \*\*\* Typhoon Specifications are projected specifications at time of publishing based off of pre-production models and testing. Final production model specifications may change. Consult with Everlast.  
 \*\* Height Includes removable/optional install handles. Nominal height without handles is approximately 15".