










PowerTIG 250EX and 255EXT Cross Comparison.*

Let's Compare Apples to Apples.

When looking for a new TIG welder, it is hard to make sure you are comparing apples to apples. If you are caught up in trying to compare every specification and feature, and feel like you are getting bogged down in the details, don't worry. We've broken down models that we feel are competitive models and somewhat similar in appeal to most users. We are putting both of our 250 Amp units side by side so you can see the difference between them as well. Both units are strong contenders in the market. We've tried to make sure that all relevant information has been included. However, our information is guided by the information published by our competitors and to that extent is accurate as we can make it at the time of publication. When comparing units side by side, we've started with the warranty. As you can see, we easily beat the closest competition by two years. But we think you'll see that there are a great many more advantages with Everlast than warranty.

	 PowerTIG 250EX	 PowerTIG 255EXT	 Dynasty 210 907685	 Dynasty 280 907550	 ET 220i W1009400	 ET 301i W1009400	 Aspect 230 K5126	 Precision TIG 225 K2533-2	 Invertig 221 70221-12.5
Price	\$1699.00	\$2499.00	\$3855.00	\$5667.00	\$5192.00	\$6962.00	\$2999.00	\$2869.00	\$2495.00
Warranty	5 Year Parts and Labor	5 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor
TIG Kit Included	Yes/ Water-Cooled	Yes/ Air and Water Cooled	Optional	Yes/Air Cooled	Optional	Optional	Optional	Optional	Yes/ Air Cooled Std.
Inverter or Transformer	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Transformer	Inverter
Type of Input Power	1 and 3 Phase	1 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 Phase	1 Phase
Input Voltage	208-240V	120-240V	120-480V	208-575V	208-480V	208-480V	120-460V	208-240V	208-240V
DINSE Size or Type Connector Compatibility	35/50	35/50	35/50	35/50	35/50	35/50	35/50	35/50	35/50
Inrush (I1max) Amps @ 120V/240V/460V 1 Phase	na/40A /na	35.7A / 33.6A / na	33A / 34.3A / 16.6A	na/53A / 25A	na / 33.7A / na	na/ 33.7A/18.1A	34A/ 31A/16A	na / 84A / na	na / 44A / na
Inrush (I1max) Amps @ 240(230)V/460(480)V 3 Phase	21A/na	na / na	20A / 9.8A	31A/15A	15.2A / 8.2A	21.6A/11.6A	17A/9A	na / na	na / na
Weight	65 lbs.	65 lbs.	47 lbs.	52 lbs.	30 lbs.	36 lbs.	50.5 lbs	192 lbs.	48 lbs.
Dimensions	9".25Wx17.5"Hx22"L	9.25"Wx17.5"Hx22"L	8.6"Wx13.6"Wx22.5"L	8.6"Wx13.6"Hx22.5"L	7.25"Wx13"Hx19"L	7.25"Wx13"Hx19"L	9.7"Wx16.5"Hx19.9"L	14.5"Wx 20.7"Hx25.6"L	7.5"Wx15.75"Hx19.75"L
OCV	80V	70V	80V	60V	113V	113V	106V TIG/ 72V Stick	75V	65V
TIG Duty Cycle at Maximum Amp Rating 1 phase (240V)	60% @ 250A	60% @ 250A	60% @ 210A	25% @ 280A	45% @ 200A	60% @200A	35% @ 230A	10% @ 225A	20% @ 220A
TIG Duty Cycle at Maximum Amp Rating 3 phase (240V)	60% @ 250A	na	60% @ 210A	25% @ 280A	40% @ 220A	30% @ 300A	35% @ 230A	na	na
Stick Duty Cycle at Maximum Amp Rating 1 phase (240V)	35% @ 200A	35% @ 200A	30% @ 210A	10% @ 180A	40% @ 150A	100% @ 150A	35% @ 180A	15% @ 225	No info Available
Stick Duty Cycle at Maximum Amp Rating 3 phase (240V)	35% @ 200A	na	30% @ 210A	15% @ 280A	40% @ 170A	60% @ 200A	35% @ 180A	na	na
Minimum TIG Amps DC / AC	5A / 5A	3A / 5A	1A / 2A	1A/2A	5A / 5A	5A / 5A	2A / 2A	5A / 5A	4A / 4A
Maximum TIG Amps 1 Phase 120V / 240V	na/ 250A	150A / 250A	150A/210A	na/280A	na / 200A	na /200A	150/230A	na / 230A	na / 220A
Maximum TIG Amps 3 Phase	250A	na	210A	280A	220A	300A	230A	na	na
Maximum Stick Amps 1 Phase 120V / 240V	200A	120A / 200A	100A / 210A	na / 280A	150A	150A	100A/180A	230A	na/ 200A
Maximum Stick Amps 3 Phase	200A	na	210A	280A	170A	200A	180A	na	na
TIG AC and DC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIG AC Wave Form	Adv. Square	Adv. Square/Soft Square/ Triangular/Sine	Soft Square Wave Optional Upgrade Available	Soft Square Wave Optional Upgrade Available	Square	Square	Square, Soft Square, Triangular, Sine	Soft Square (Transformer Type)	Square
TIG AC Frequency Control	Yes, 20-250Hz	Yes, 20-250Hz	Yes, 70-150Hz	Yes, 70-150Hz	30-200 Hz	30-200Hz	Yes 40-400Hz	No, Fixed 60Hz	20-200 Hz
TIG AC Balance	10-90%% EP	5-90% EP	60-80% EN	60-80% EN	10-90% EP	10-90%	Yes, 35-99% EN	40-80% EN	10-90% EN
Independent AC Amplitude Adjustment (EP vs EN Amps)	No	No	No	No	No	No	Yes	No	Yes
TIG Pulse	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Advanced AC (Mixed) Pulse	No	Yes	No	No	No	No	No	No	No
TIG Pulse Frequency (Pulses Per Second) AC / DC	0-500z / 0-500Hz	0-250Hz / 0-500Hz	None / 0- 250Hz	None/0-250Hz	0-2000 Hz / 0-2000 Hz	0-2000Hz/ 0-2000 Hz	.1-2000Hz/ .1-25% of AC Hz	No	.1-999 Hz
TIG Pulse Amp Range (Base Amps %)	5-95%	5-99%	Fixed @ 25%	Fixed @ 25%	1-200% of Weld Amps	1-200% of Amps	10-90%	na	10-90%
TIG Pulse Time On Balance %	10-90%	3-100%	Fixed @ 40%	Fixed at 40%	1-99%	1-99%	5-95%	na	10-90%
TIG 2T/4T Sequencer	Yes	Yes	Yes, Limited	Yes, Limited	Yes	Yes	Yes	No	Yes
TIG Pre Flow / Post Flow Time	0-10 / 0-25 Seconds	0-25 / 0-50 Seconds	Fixed/ 0- 50 Seconds	Auto/0-50 Seconds	.1-10 Seconds / 20-500%	.1-10 Seconds/ 20-500%	0-25/ .1-60 Seconds	No / 1-30 Seconds	.1-2 / .1-30 Seconds
TIG Start Amps / End Amps DC (AC)	5-250A	3(5)-250A	Not Adjustable	Fixed	5-200% of Set Amps	5-200% of Set Amps	2-230A	na / na	10-90% / 10-90%
TIG Upslope / Downslope Time	0-10 Seconds/0-25 Seconds	0-25 / 0-50 Seconds	Not Adjustable	No	0-99% / 0-99%	0-99% / 0-99%	0-5 / 0-25 Seconds	na / na	.1-2 / .1-2 Seconds
TIG Spot Weld Timer	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
Stick E 6010/ Cellulose Setting or Capability	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Stick VRD (Voltage Reduction Device)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Stick Arc Force/Dig	0-100% of Available Amps	0-100% of Available Amps	No	0-100%	0-200% of Set Amps	0-200% of Set Amps	0-200%	No	No
Stick Hot Start Intensity	No	0-100% over set Amps	Off, On, But Not Adjustable	Off, On But Not Adjustable	0-20 Seconds	0-20 Seconds	0-200%	No	No
Stick Hot Start Time	No	0-2 Seconds	Not Adjustable	Not Adjustable	5- 200% of Set Amps	5-200% of Set Amps	Not Adjustable	No	No
Programmable Memory	No	Yes	No	No	Yes	Yes	Yes	No	Yes
Power Cable Length	6.5 Ft.	6.5 Ft.	8 Ft.	10 Ft.	No Info Available	No Info Available	10 ft.	9 ft.	No Info Available

*This publication is based on available information on May 1, 2020. It relies on other manufacturer data which is subject to change and may vary in accuracy. Prices are also subject to change.