



Comparison Guide* PowerTIG 210EXT / 255EXT and Typhoon 230



When trying to decide on your welder purchase, it's never easy comparing new products to another competitors products, or even products within the same brand. With all the advancements and new features being offered these days, we know it's hard to sift through pages and pages of information, comparing dozens, if not hundreds of comparable data points. So, we've helped you do some of your homework for you.

We've taken several of our most popular and advanced models along with many of our competitor's units often aimed at the same market segment and compared them side by side for you. We've gone line by line after the important data and features that we know customers care so much about. We've tried to be as exhaustive and thorough as possible, sifting through every available piece of literature out there on the product. Believe us, no one makes it easy and some seem to hide the data all together. But we are not afraid to put our units up against the competition and put our specifications out there for all to review, line by line.

Within our own brand we've put our PowerTIG 210 EXT, PowerTIG 255EXT head to head against our new Typhoon

230. And we've put the rest a well there right with them. You will see that all our units compared here compete very well against much more expensive offerings. In fact, you're going to see them beating many popular products in head to head, feature to feature, spec to spec matchup.

Start by taking a look at pricing and warranty. We can beat nearly everyone in the industry. We've tried to compare everyone's basic, entry level offering where possible, as equipped without adding options for the best comparison for what you get for the price paid. We've taken list prices, not temporary or sale prices on everyone's model (as best as we can determine). With prices going up like they are, we feel this is the best place to start. If something seems strange to you in the way it is presented or doesn't really give you the information you are seeking, it's probably because the manufacturer chose to withhold that information and not publish it, or maybe they published it in a non-standard form. There are limitations of course, since a hands on comparison can't be made, but we think we've covered all the bases pretty well as far as possible.

SPECIFICATIONS	POWER TIG 210 EXT \$1799.00	TYPHOON 230** \$3499.00	POWER TIG 255 EXT \$2499.00	DYNASTY 210 (non-CPS) 6245.00	SYNCROWAVE 210 \$3295.00	SQUARE WAVE 200 \$2399.00	ASPECT 230 AC/DC \$4999.00	VULCAN PROTIG 205 \$1299.00	CK MT-200 AC/DC \$1299.00	INVERTIG 221 \$3207.00	I-WAVE 230MV \$6424.00	
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	90 Days Replacement	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	
DESIGN TYPE	AC/DC IGBT Digital Inverter	AC/DC IGBT Analog Inverter	AC/DC IGBT Analog Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC Digital Inverter	AC/DC Analog Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	
INPUT VOLTAGE (NOMINAL)	120/240V	120/240V	120/240V	120-480V 1/3 Phase	120/240V	120/240V	120-460V 1/3 Phase	120/240V	120/240V	240V (DV Opt.)	120/240V	
TIG OUTPUT 120V	DC 3-125A/AC 5-125A	DC 2-125A/AC 3-125A	DC 3-150A/AC 5-150A	DC 1-150A/AC 2-150A	AC/DC 5-125A	AC/DC 10-125A	AC/DC 2-150A	DC 10-130A/AC 10-125A	AC/DC 5-140A	NA	AC/DC 3-170A	
TIG OUTPUT 240V	DC 3-210A/AC 5-210A	DC 2-230A/AC 3-230A	DC 3-250A/AC 3-250A	DC 1-210A/AC 2-210A	AC/DC 5-210A	AC/DC 10-200A	AC/DC 2-230A	AC/DC 10-205A	AC/DC 5-200A	AC/DC 4-220A	AC/DC 3-230A	
STICK OUTPUT 120V	10-100A	5-100A	10-120A	5-100A	20-90A	10-90A	5-100A	10-80A	10-110A	NA	NA	
STICK OUTPUT 240V	10-160A	5-200A	10-200A	5-210A	20-150A	10-170A	5-180A	10-170A	10-160A	4-200A	10-190A	
TIG DUTY CYCLE @ RATED AMPS	60% @ 210A	70% @ 230A	60% @ 250A	60% @ 210A	20% @ 210A	25% @ 200A	35% @ 230A	25% @ 200A	25% @ 200A	20% @ 220A	35% @ 230A	
STICK DUTY CYCLE @ RATED AMPS	35% @ 160A	70% @ 200A	35% @ 200A	60% @ 160A	20% @ 150A	20% @ 170A	35% @ 180A	20% @ 170A	30% @ 160A	25% @ 200A	35% @ 190A	
2T/4T REMOTE SWITCH CONTROL	Yes	Yes	Yes	Yes	No	2T only	Yes	No	Yes	Yes	Yes	
OCV/ VOLTAGE REDUCTION OCV	80V <24V VRD	TIG: 90V, Stick 83V <24V VRD	90V <24 VRD	80V 30VRD	47V	62V	105V	13.5 (VRD, Not Std.)	61V	65V VRD<18V	100V	
INRUSH (I _{1max}) AMPS 120V	27A	29A	38A	31.8A	Not Published	21.5A	34A	24.5A	28.6A	NA	30.2A	
INRUSH (I _{1eff}) AMPS 240V	24A	32A	38A	32.8A	Not Published	25A	31A (@ 230V)	21A	34A	42.5A	25.1A	
INRUSH (I _{1eff}) AMPS OTHER (3 PH)	NA	NA	NA	16.4A (@ 480V 3Ph)	NA	NA	9A (@ 460V 3 Ph)	NA	NA	NA	NA	
RATED (I _{1eff}) 120V	21A	25A	30A	22.4A	20.5A	15A	24A	Not Published	Not Published	NA	14.9A	
RATED (I _{1eff}) 240V	19A	27A	30A	18.3A	11.9A	14.7A	20A (@230V)	Not Published	Not Published	21A	17.9A	
RATED (I _{1eff}) OTHER (3 PH)	NA	NA	NA	9.2A (480V 3 Ph)	NA	NA	6A (@ 460V 3 phase)	NA	NA	NA	NA	
COLOR LCD DISPLAY AND TYPE	No	Yes, HD 7" TFT	No	Yes, 4.5" TFT	No	No	No	Limited Color Display	No	No	4.3"	
HF START /LIFT START	HF/Lift w/Remote	HF/Live Lift/Lift w/Remote	HF/Lift w/Remote	HF/Live Lift/Lift w/Remote	HF Only	HF Only	HF/Live Lift/Lift w/Remote	HF Only	HF Only	HF/Lift With Remote	HF/Live Lift/Lift w/Remote	
HF START TYPE	Adjustable Point Gap	Adjustable Solid State HV	Adjustable Point Gap	Adjustable Solid State	Solid State	Solid State	Solid State	Solid State	Solid State	Solid State	Solid State	
SELECTABLE START POLARITY	No	No	No	Yes	Yes	No	Yes	No	No	No	Yes	
AC WAVE FORM	Adv. Square/ Soft Square/Triangle (3)	Adv. Square/Soft Square Trapezoid/Triangle (5)	Adv. Square/Soft Square/ Triangle/Sine (4)	Adv. Square/Soft Square/ Triangle/ Sine (4)	Square Wave	Square Wave	Square/Soft Square/ Triangle/ Sine (4)	Square	Square	Square	Square/Soft Square/ Sine/Triangle	
AC INDEPENDENT AMPLITUDE (EN vs. EP AMPS)	No	Yes	No	Yes	No	No	Yes	No	No	Yes	Yes	
AC INDEPENDENT HALF-WAVE SHAPE CONTROL	No	Yes	No	Yes	No	No	No	No	No	No	Yes	
AC FREQUENCY	20-250 Hz	20-400Hz	20-250Hz	20-400Hz	60-150Hz	60-150Hz	40-400Hz	Adjustable, not published	20-250Hz	20-200Hz	40-250Hz	
AC BALANCE	5-90% of EP(+)	5-70% of EP (+)	5-90% of EP(+)	30-99% of EN (-)	60-80% of EN (-)	60-90 of EN (-)	35-99% of EN (-)	Adjustable, not published	50-85% of EN	10-90% of EN	15-50% of EP	
PRE FLOW	0-25 Seconds	0-30 Seconds	0-25 Seconds	0-25 Seconds	None	Fixed	0-25 Seconds	.3-20	Fixed .5 Seconds	.1-5 Seconds	0-30 Seconds	
POST FLOW	0-50 Seconds	0-60 Seconds	0-50 Seconds	Auto/ 0-50 Seconds	Auto/ 0-50 Seconds	Fixed	Auto/ 1-60 Seconds	.3-20	.5-20 Seconds	1-99.9 Seconds	0-30 Seconds	
MINIMUM START AMPS	DC 3A / AC 5A	DC 2A / AC 3A	DC 3A / AC 5A	DC 1A / AC 2A	None	Fixed	DC 2A / AC 2A	Fixed	Fixed	10% of Welding Amps	0% of Welding Amps	
MINIMUM END AMPS	DC 3A / AC 5A	DC 2A / AC 3A	DC 3A / AC 5A	DC 1A / AC 2A	None	Fixed	DC 2A / AC 2A	Fixed	Fixed	10% of Welding Amps	0% of Welding Amps	
UPSLOPE	0-25 Seconds	0-30 Seconds	0-25 Seconds	0-50 Seconds	None	Fixed	0-5 Seconds	None	None	.1-2 Seconds	.1-30 Seconds	
DOWN SLOPE	0-25 Seconds	0-30 Seconds	0-25 Seconds	0-50 Seconds	None	Fixed	0-25 Seconds	None	None	.1-2 Seconds	.1-30 Seconds	
AUTO RANGING PULSE	No	No	No	No	No	No	No	No	No	No	Yes	
PULSED START	No	No	No	No	No	No	No	No	No	No	Yes	
AC PULSE	Yes	Yes	Yes	Yes	Yes	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	No	Yes	
AC ADVANCED PULSE (MIXED 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	0-50Hz	.1-20 Hz	.1-2000Hz	Adjustable	1-200Hz	None	2-2000Hz	
AC PULSE FREQUENCY	Adv. Sq. .1-250Hz Others .1-10Hz	.1-400Hz	Adv. Sq. .1-250Hz Others .1-10Hz	.1-500Hz	0-50Hz	.1-20 Hz	.1-25% of AC Frequency	Adjustable	1-200Hz	4-20Hz	2-2000Hz	
AC ADVANCED PULSE FREQUENCY	.1-10Hz	.1-10Hz	.1-10Hz	NA	NA	NA	NA	NA	NA	.4-999.00Hz	.02 to 120 Seconds	
PULSE TIME ON (BALANCE)	5-100%	5-100%	5-100%	5-95%	Fixed	Fixed	5-95%	Fixed	Fixed	10-99%	0-100%	
PULSE AMPS	5-99% of Welding Amps	5-99% of Welding Amps	5-99% of Welding Amps	5-95% of Welding Amps	Fixed	Fixed	10-90%	Fixed	10-100%	10-99%	10-90%	
SPOT WELD TIMER	No	Yes, with Stitch Function	Yes	Yes	No	No	Yes	No	No	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	No	No	Yes	No	No	No	Yes	
SYNERGIC PROGRAMMING	No	Yes, Adv. PowerSet	Yes, Basic	Yes, Pro Set	Yes, Basic	No	Auto On Select Functions	No	No	No	Yes	
STICK OPERATION AC/DC	DC Only	Yes	DC Only	Yes	DC Only	DC Only	Yes	No	No	Yes	Yes	
STICK E6010 CAPABLE (CELLULOSE)	6011 Only	Yes	Short Arc Only	Yes	Yes	Yes	Yes	No	No	Yes	Yes	
STICK ARC FORCE CONTROL (DIG)	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	
STICK HOT START INTENSITY	Yes	Yes	Yes	Yes	No	No	Yes	Auto	No	No	Yes	
STUCK ROD FUNCTION	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	
STICK HOT START TIME	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes	
ADJUSTABLE AC STICK (FREQUENCY/BALANCE, ETC.)	NA	Yes	NA	Yes	No	NA	No	No	No	Yes	Yes	
STICK PULSE	No	No	No	No	No	No	No	No	No	Yes	No	
MEMORY	Yes	Yes	Yes	Yes	User supplied memory	No	Yes	No	No	Yes	Yes	
WPS LOCKOUT	No	Yes	Yes	Yes	No	No	No	No	No	No	Yes	
FAN CONTROL	Full Time	Yes, On Demand	Full Time	Yes, On Demand	Yes, On Demand	Yes, On Demand	Yes, As Needed	No	No	No	Yes, Programmable	
COOLER CONTROL	Full Time	Yes	Yes	Only with optional CPS	No	No	Yes	No	No	No	Yes	
USER UPDATEABLE INTERFACE	Not customer serviceable	Not customer serviceable	Not customer serviceable	Yes	No	No	No	No	No	No	Yes thru Wifi feature	
FOOT PEDAL INCLUDED	Yes	Yes	Yes	No, Bare Unit	Yes	Yes	No, Bare Unit	Yes	Yes	Yes	Optional	
WATER COOLER POWER RECEPTACLE INCORPORATED	Yes	Yes	Yes	Optional	No	No	Yes	No	No	Yes	Yes	
TIG TORCH INCLUDED	200A, Air-Cooled 26 Series 12.5 ft. 125A, Air Cooled 9 Series 12.5 ft.	250A, Water-Cooled Rotaflex 20, 12.5 ft 125A Air-Cooled Rotaflex 9, 12.5 ft	250A, Water-Cooled 20 Series 12.5 ft. 125A, Air Cooled 9 Series 12.5 ft.	No, Bare unit, but optional packages available	150A, Air Cooled 17/A-150 Series 12.5 ft.	150A, Air-Cooled 17F Series 12.5 ft.	No, Bare Unit, optional packages available	150A, Air-Cooled 17 Series 12.5 ft.	150A, Air-Cooled 17RSF-FX Series 12.5 ft.	150A, Air-Cooled 17 Series 12.5 ft.	150A, Air-Cooled 17 Series 12.5 ft.	Multi Lock Air-Cooled (optional series) 26 ft.
POWER RECEPTACLE FOR COOLER	Yes	Yes	Yes	No,	No	No	No	No	No	No	Yes	
STACKABLE COOLER AVAILABLE	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No	Yes	
SIZE (NOMINAL)	26"Lx9.75"Wx17.5"H***	26"Lx9.75"Wx17.5"H***	26"Lx9.75"Wx17.5"H***	22"Lx8.5"Wx14"H	43"Lx18.5Wx31.5"H	19.3"Lx10.8"Wx14"H	19.9"Lx9.7"Wx16.5"H	20"Lx10.5"Wx16"H	20"Lx8.5"Wx15"H	19.8"Lx7.5"Wx15.8"H	22"Lx8.3"Wx14.5"H	
WEIGHT	57 Lbs.	60 lbs	62 lbs	47 Lbs.	133Lbs.	46.5 Lbs.	50.5 Lbs.	53 Lbs.	32 Lbs.	40 Lbs.	36.4 Lbs.	

*This publication is based on available information on Dec 13, 2022. 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".