



# Comparison Guide\*

## POWERTIG 210EXT



Now, after over a decade of production, the PowerTIG 210EXT is as strong and resilient as ever. The design features of the welder have not only helped lead the industry, they still hold up well to the test of time and technology. The design of the 210EXT is still stand-out among the top tier of 200A class machines in the industry and still leads the way even among competitor's improved and redesigned machines.

If you are trying to go back and forth between brochures, web pages and other sources of information about a competitive product to compare and contrast the similarities and differences, we've tried to make it much easier for you to do so. We've gone through our competitor's information that they offer ourselves and pulled out as many features as we can find for you to compare to.

As far as how the PowerTIG 210EXT holds up to the other similar amp ma-

chines we'll let you give the final verdict. While not everyone will hold every feature in as high esteem as another, we think that the two most important features everyone will agree on, the price and the warranty are by far and above the best you'll find. If you compare our price and warranty to the competition, the picture becomes a bit more clear.

We've done our best to put all the relevant information into this publication. But keep in mind, manufacturers do change specifications from time to time and while the information is up to date as best as we can make it at the time it is published, there may be changes in price, and performance specifications that we are not aware of. If you've narrowed down your choices, always be sure to go back and check directly with the competitor to verify the figures still hold.

SPECIFICATIONS	POWERTIG 210EXT \$1799.00	SQUARE WAVE 200 \$2399.00	PRECISION TIG 225 (Ready Pak) \$4530.00	SYNCROWAVE 210 \$3225.00	DYNASTY 210 DX (Bare Unit) \$5755.00	HTP 221 \$2895.00	ET 3011 AC/DC (Bare Unit) \$5138.00
WARRANTY	5 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor	3 Year Parts/Labor	3 Years Parts/Labor	3 Years Parts/Labor
DESIGN TYPE	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC Analog Transformer	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter	AC/DC IGBT Digital Inverter
INPUT VOLTAGE (NOMINAL)	120/240V 1ph	120/240v 1 ph	208/230V 1 ph	120/240V 1 ph	120-480V 1 and 3 ph	208-240V 1 ph Optional 120/240V	208-480V
TIG OUTPUT 120V	DC/ AC 5-125A	AC/DC 10-125A	N/A	AC/DC 5-125A	DC 1-150V /AC 2-150V	4-155A (Optional Unit)	N/A
TIG OUTPUT 240V (AND HIGHER VOLTS)	DC/AC 5-210A	10-200A	DC 5-230A/AC 5-230A	AC/DC 5-210A	DC 1-210V /AC 2-210V	4-220A	1 ph: AC/DC 5-200A 3 ph: AC/DC 5-300A
STICK OUTPUT 120V	DC 5-100A	10-90A	N/A	20-90A	AC/DC 5-100V	4-155A (Optional Unit)	N/A
STICK OUTPUT 240V	DC 5-160A	10-170A	AC/DC 5-230A	20-150A	DC 5-210V	4-200A	1 ph: DC 10-150A 3 ph: DC 10-200A
TIG DUTY CYCLE @ RATED AMPS	60% @ 210A	25% @ 200A	10% @ 225A	20% @ 210A	60% @ 210A	20% @ 220A 150A, Air-Cooled	1 ph: 60% @ 200A 3 ph: 60% @ 300A
STICK DUTY CYCLE @ RATED AMPS	35% @ 160A	20% @ 170A	10% @ 225A	20% @ 150A	30% @ 210A	25% @ 200A 17 Series	1 ph: 100% @ 150A 3 ph: 60% @ 200A
2T/4T REMOTE SWITCH CONTROL	Yes	2T Only	2T Only	No	Yes	Yes	Yes
OCV	80V	62V	DC 66V / AC 75V	47V	80V	62V	113V
VOLTAG REDUCTION (VRD)	Yes	Yes	No	No	Yes	Yes	Yes
INRUSH (I1MAX) AMPS	120V: 27A 240V: 24A	120V: 21.5A 240V: 25A	208V: 94A 230V: 85A	Not Published	Not Published	120V: 32A 240V: 26A	Not Published
RATED (I1EFF) AMPS	120V: 21A 240V: 19A	120V: 15A 240V: 14.7A	208V 1 ph: 42A 230V 1 ph: 39A	120V: 20.5A 240V: 11.9A	120V 1ph: 28A 208V 1ph: 29A 208V 3ph: 17A 240V 1ph: 25A 240V 3ph: 15A 480V 1ph 12A 480V 3ph: 7A	Not Published	208V 1ph: 37.8A 208V 3ph: 23.8A 230V 1ph: 33.7A 230V 3ph: 21.6A 460V 1ph: 18.1 460V 3ph: 11.6A
HF START /LIFT START	HF and Lift	HF	HF and Lift	HF Only	HF and Lift	HF and Lift	HF and Lift
AC Wave Forms	Adv. Square, Soft Sq, Triangular.	Square	Soft Square	Square	Adv. Square, Soft Square, Triangular, Sine	Square	Square
INDEPENDENT AMPLITUDE	No	No	No	No	No	Yes	No
AC FREQUENCY	20-250 Hz	60-150Hz	60 Hz	60-150Hz	20-400Hz	20-200Hz	30-200Hz
AC BALANCE	5-90% of EP(+)	60-90% of EN (-)	Eq. of 20-60% of EP (+)	60-80% of EN (-)	50-9% of EN (-)	10-90%	10-90% of EP (+)
PRE FLOW	0-25 Seconds	Fixed	Fixed .5 Seconds	None	0-25 Seconds	.1-2 Seconds	.1-10 Seconds
POST FLOW	0-50 Seconds	Fixed	1-30 Seconds	Auto/0-50 Seconds	Auto/)-50 Seconds	.1-30 Seconds	20-500% of 5 Seconds
START AMPS	5-210A	Fixed	Fixed at Minimum	None	DC 1-210A / AC 2-210A	10-90%	5-200% of Welding A
END AMPS	5-210A	Fixed	Fixed at Minimum	None	DC 1-210A / AC 2-210A	10-90%	5-200% of Welding A
UPSLOPE	0-25 Seconds	None	None	None	0-25 Seconds	.1-2.0 Seconds	0-99% of 5 Seconds
DOWN SLOPE	0-25 Seconds	None	None	None	0-50 Seconds	.1-2.0 Seconds	0-99% of 3 Seconds
AC/ DC PULSE/ADVANCED AC PULSE	Yes/ Yes	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes
PULSE FREQUENCY	DC .1-500 Hz AC: 1-250 Hz (ADV. SQ) ADV. AC: .1-10 Hz	0-20Hz	.1-50 Hz	0-50 Hz	AC/DC .1-500Hz	AC: .4 to 10.0 Hz DC .4 to 999 Hz	.2-2000Hz DC
PULSE TIME ON (BALANCE)	5-100%	Fixed @ 50%	Fixed at 50%	Fixed	5-95%	10-90%	1-99%
PULSE AMPS	5-99% of Welding Amps	Fixed @ 50%	Fixed at 50%	Fixed	5-95%	10-90%	1 to 200% of Welding A
STICK ARC FORCE CONTROL (DIG)	Yes	No	No	Yes	Yes	No	Yes
STICK HOT START CONTROL	Yes	No	No	No	Yes	No	Yes
STICK E 6010 CAPABLE	No, Use E6011	No	Yes	Not Published	Yes	Yes	Not Published0
SPOT WELD TIMER	No	No	No	No	Yes	Yes	Yes
FOOT PEDAL INCLUDED	Yes	Yes	Yes in this package	Yes	No	Yes	Yes in Optional Package
MEMORY/PROGRAM SAVE	Yes	No	No	No	With opt. memory card	Yes	No
TIG TORCH INCLUDED	200A, Air-Cooled 26 Series 12.5 ft and 125A, Air-Cooled 9 Series 12.5 ft	150A, Air-Cooled 17 Series 12 ft.	150A, Air-Cooled 17 Series 12 ft.	150A, Air Cooled 17 Series 12.5 ft.	No, bare unit only TIG package optional	150A, Air-Cooled 17 Series 12.5 ft.	No, bare unit only. TIG package optional
POWER RECEPTACLE FOR COOLER	Yes (240V Output)	No	Yes (120V Output)	No	Optional	Yes 120/240V	Yes (120V)
STACKABLE COOLER AVAILABLE	Yes (240V)	No	Yes (120V)	No	Yes	No	Yes
SIZE (NOMINAL)	26"Lx9.75"Wx18"H	19.25"Lx10.75"Wx 14"H	25.6"Lx14.5"Wx20.7"H	43"Lx18.5Wx31.5"H	22.5"Lx 8.6"Wx13.6"H	19.75"Lx7.5"Wx15.75"H	19"Lx7.25"Wx13"H
WEIGHT	62 Lbs.	46.5 Lbs.	215 Lbs.	133Lbs.	47 Lbs.	54 Lbs.	35.9 Lbs.

\*This publication is based on available information on March 15, 2022. It relies on other manufacturer data which is subject to change and may vary in accuracy. Prices are also subject to change .