











	PowerTIG 210EXT	SQUAREWAVE 200	DYNASTY 210	EZ TIG 165i	PROTIG 200	PRECISION TIG 225	INVERTIG 221DV	DIVERSION 185	ESAB 186i	DYNASTY 200
										
Manufacturer	EVERLAST	LINCOLN ELECTRIC	MILLER	HOBART	VULCAN	LINCOLN ELECTRIC	HTP	MILLER	ESAB	MILLER
Inverter Type	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Transformer	Digital IGBT	Digital IGBT
Output Type	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick, MIG	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG	AC/DC TIG, Stick
Voltage/Phase/Hz	120/240/1/50	120/240/1/60	120/230/1/60	120/220/380/480 1/3/50/60	115/230/1/50/60	230/1/50/60	208-230/460/1/3/50/60	208/230/1/60	120/240/1/60	115/230/1/60
Max Rated TIG Amps	120V: 125 A 240V: 210 A	120V: 125 A 240V: 200 A	120V: 125 A 230V: 200 A	120V: 210 A 220V: 210 A	120V: 210 A 230V: 210 A	230V: 200 A	230V: 200 A 460V: 220 A	208/230V: 5-230 A	120V: 130 A 240V: 200 A	115V: 155 A 230V: 200 A
Max Rated Stick Amps	120V: 100A 240V: 160A	120V: 100A 240V: 160A	120V: 75 A 230V: 170 A	120V: 100 A 230V: 160 A	115V: 90 A 230V: 150 A	5-170 A	230V: 150 A 460V: 170 A	208/230V: 230 A	120V: 80 A 240V: 170 A	115V: 140 A 230V: 200 A
TIG Amps @ Rated Duty Cycle	120V: 125A @ 60% Duty Cycle 240V: 210A @ 60% Duty Cycle	120V: 125A @ 60% Duty Cycle 100A @ 100% Duty Cycle 240V: 200A @ 60% Duty Cycle 160A @ 100% Duty Cycle	120V: 125A @ 25% Duty Cycle 100A @ 40% Duty Cycle 230V: 200A @ 25% Duty Cycle 160A @ 40% Duty Cycle	120V: 125A @ 60% Duty Cycle 100A @ 100% Duty Cycle 208-480V: 210A @ 60% Duty Cycle 175A @ 100% Duty Cycle	115V: 125A @ 30% Duty Cycle 230V: 210A @ 20% Duty Cycle	230V: 200A @ 20% Duty Cycle	230V: 200 @ 45% 460V: 220 @ 40%	208/230V: 225A @ 10% Duty Cycle 90A @ 100% Duty Cycle	120V: 130A @ 25% Duty Cycle 240V: 200A @ 25% Duty Cycle	120V: 155A @ 20% Duty Cycle 240V: 110A @ 100% Duty Cycle 240V
Stick Amps @ Rated Duty Cycle	120V: 100A @ 60% Duty Cycle 80A @ 100% Duty Cycle 240V: 160A @ 60% Duty Cycle 130A @ 100% Duty Cycle	120V: 100A @ 35% Duty Cycle 80A @ 60% Duty Cycle 60A @ 100% Duty Cycle 240V: 160A @ 35% Duty Cycle 130A @ 60% Duty Cycle 100A @ 100% Duty Cycle	120V: 75A @ 20% Duty Cycle 65A @ 60% Duty Cycle 230V: 170A @ 20% Duty Cycle 100A @ 60% Duty Cycle	120V: 90A @ 60% Duty Cycle 208-480V: 160A @ 60% Duty Cycle	115V: 90A @ 35% Duty Cycle 230V: 150A @ 20% Duty Cycle	230V: 170A @ 15% Duty Cycle	230V: 150 @ 40% 460V: 170 @ 40%	208/230V: 225A @ 10% Duty Cycle 90A @ 100% Duty Cycle	120V: 80A @ 20% Duty Cycle 240V: 170A @ 20% Duty Cycle	N/A
Max inrush (I1MAX) Amps)	120V: 27A 240V: 31A	120V: 35A 240V: 31A	230V: 25A	120V: 33A 240V: 29A	115V: 25.2A 230V: 23.6A	230V: 35.6A	230V: 33.7A 460V: 18.1A	208V: 42A 230V: 39A	N/A	26A
Maximum Rated (I1EFF) Input Amps	120V: 22A 240V: 25A	120V: 24A 240V: 23A	230V: 14.7A	120V: 26A 240V: 24A	N/A	230V: 16.5A	230V: 33.7A 460V: 8.2A	N/A	120V: 24.5A 240V: 21A	120V: 30A 230V: 26A
OCV	70V<24V with VRD	TIG: 68V Stick: 68V	62V	80 V	47V	70.3V	<113	75V	13.5V (with VRD)	65V
TIG Output Range DC	120V: 3A-120A 240V: 3A-210A	120V: 5A-125A 240V: 5A-200A	120V: 10A-125A 230V: 10-200A	120V: 1-210A 230V: 1-210A	115V: 5-125A 230V: 5-210A	230V: 5-200A	230V: 5-200A 460V: 5-220A	208/230V: 5A-230A	120V: 10A-130A 240V: 10A-200A	120V: 4A-155A 240V: 4A-220A
TIG Output Range AC	120V: 5A-120A 240V: 5A-210A	120V: 20A-125A 240V: 20A-200A	120V: 10A-110A 230V: 10-200 A	120V: 2-210A 208-480: 2-210A	115V: 5-114A 230V: 5-184A	230V: 10-200A	230V: 5-200A 460V: 5-220A	208/230V: 5A-230A	120V: 10A-120A 240V: 10A-200A	N/A
Stick Output Range DC	120V: 20A-100A 240V: 20A-160A	120V: 5A-100A 240V: 5A-160A	120V: 0-90 A 230V: 10-170 A	120V: 5-100A 208-480: 5-210A	115V: 20-90A 230V: 20-150A	230V: 5-160A	230V: 10-150 A 460V: 10-170A	208/230V: 5A-230A	120V: 10-80A 240V: 10-170A	120V: 140A 240V: 200A
Stick Function	Adjustable Arc Force Control	Adjustable Arc Force Control	None	N/A	N/A	Yes	Yes	N/A	Adjustable Arc Force	N/A
Stick Hot Start Type	Adjustable Hot Start	Auto Adaptive Hot Start	None	N/A	Adjustable	Adjustable	Adjustable	N/A	N/A	N/A
6010/Cellulose Capable	Limited to 6011	Limited to 6011	Limited to 6011	6010/6011	6010/6011			6010/6011	6010/6011	
Minimum Amp DC TIG Start	3A	5A	10A	1A	5A	5A	5A	5A	10A	4A
Minimum Amp AC TIG Start	5A	20A	10A	2A	5A	10A	5A	5A	10A	4A
TIG Start Type	Solid State HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF	HF Lift TIG	HF Lift TIG
Memory	Yes	No	No	Yes	No	No	Yes	No	No	Yes
Start Amp Range	5-210A	5-200A	10-200A	2-210A	5-210A	5-200A	5-220A	5-225A	10-200A	4-220A
End Amp Range	5-210A	5-200A	10-200A	2-210A	5-210A	5-200A	5-220A	5-225A	10-200A	4-220A
Upslope	0-25 Seconds	Fixed, Minimum	N/A	0-50 Seconds	N/A	0-15 Seconds	0-20 Seconds	None	N/A	N/A
Down Slope	0-25 Seconds	0-25 Seconds	N/A	0-50 Seconds	N/A	0-25 Seconds	0-20 Seconds	None	N/A	.1-10 Seconds
Preflow	0-25 Seconds	0-10 Seconds	N/A	0-25 Seconds		0-1 Seconds	.1-10 Seconds	.5 Seconds	N/A	.1-2 Seconds
Post Flow	0-50 Seconds	0-25 Seconds	Auto	Auto/Off-50 Seconds	Auto/0-50 Seconds	0-60 Seconds	0-20 Seconds	1-30 Seconds	Auto	.1-30 Seconds
TIG Pulse	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Standard DC Pulse Frequency	.1-500 Hz	.5-150Hz	.1-20Hz	0-250Hz	0-50Hz	.5-200Hz	.2-2000Hz	.1-20Hz	0-300Hz	.1-999Hz
Standard AC Pulse Frequency	.1-250 Hz Advanced Square Wave .1-10 Hz Soft Square, Triangular	.5-150Hz	.1-20Hz	0-250Hz	0-50Hz	.5-200Hz	.2-2000Hz	.1-20Hz	0-300Hz	.1-999Hz
AC Advanced Pulse Frequency:	.1-10Hz	None	None	None	None	None	None	None	None	None
Pulse Time On (Duty Cycle)	5-100%	10-90%	Fixed	40%	50%	15-80%	1-99%	50%	N/A	10%-90%
Pulse Amp Range	5-99% of Welding Amps	5-95% of Welding Amps	Fixed @ 50%	Fixed @ 25%	50%			50%	N/A	10%-90%
AC Frequency (Hz)	20-250 Hz	20-250Hz	60-150Hz	70-150Hz	70-150Hz	15-150Hz	30-200Hz	60Hz	5-150Hz	20-200Hz
AC Balance Range	5-90% of EP (+)	30-70% of Electrode Positive	60-90% of Electrode Negative	60%-80% Electrode Negative	60%-80% Electrode Negative	10-65%	10-90% of Electrode Positive	Auto	50-90% of Electrode Negative	10%-90% Electrode Negative
AC Wave Forms	Advanced Square Wave Soft Square Wave Triangular	Advanced Square Wave	Square Wave	Advanced Squarewave Soft Square Wave Triangular Sine	Soft Square Wave	Square Wave	Square Wave	Square Wave	Square Wave	Square Wave
Remote Control	2T/4T with Torch Amptrol settings	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T
Foot Pedal	Standard	Standard	Yes	Optional	Optional	No	Yes	Yes	Yes	Yes
Price	\$1,799	\$1,349	\$1,661	\$5,096	\$3,602	\$1,559	\$4,667	\$2,704	\$899	\$3,020

*Based upon advertised numbers.

*N/A - Not Available at time of publication

*NLA - No Longer Available