











	<b>PowerTIG 255EXT</b>	<b>PowerTIG 250EX</b>	<b>DYNASTY 210DX</b>	<b>SYNCROWAVE 210</b>	<b>DYNASTY 280DX</b>	<b>ET 220i</b>	<b>HELIARC 281i</b>	<b>PRECISION TIG 225</b>	<b>PRECISION TIG 275</b>	<b>INVERTIG 221DV</b>
										
<b>Manufacturer</b>	EVERLAST	EVERLAST	MILLER	MILLER	MILLER	ESAB	ESAB	LINCOLN ELECTRIC	LINCOLN ELECTRIC	HTP
<b>Inverter Type</b>	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Transformer	Transformer	Digital IGBT
<b>Output Type</b>	AC/DC TIG, DC Stick	AC/DC TIG, DC 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, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick
<b>Voltage/Phase/Hz</b>	120/240/1/50/60	220/240/1/3/50/60	120/220/380/480 1/3/50/60	115/230/1/50/60	208/230/400/460/575/ 1/3/50/60	208-230/460/1/3/50/60	208/230/1/50/60	208/230/1/60	220/380/415/1/50/60	115/230/1/60
<b>Max Rated TIG Amps</b>	120V: 150A 240V: 250A	250A	120V: 210 A 220V: 210 A	120V: 210 A 230V: 210 A	280 A	230V: 200 A 460V: 220 A	208V: 280 A	208/230V: 230 A	340 A	115V: 155 A 230V: 220 A
<b>Max Rated Stick Amps</b>	120V: 120A 240V: 225A	200A	120V: 100 A 230V: 160 A	115V: 90 A 230V: 150 A	280 A	230V: 150 A 460V: 170A	208V: 250A	208/230V: 230 A	340 A	115V: 140 A 230V: 200 A
<b>TIG Amps @ Rated Duty Cycle</b>	120V: 150A/16V @ 60% Duty Cycle 120A/14.8V @ 100% Duty Cycle 240V: 250A/20V @ 60% Duty Cycle 200A/18V @ 100% Duty Cycle	220V/240V: 250A @ 60% Duty Cycle 200A @ 100% 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	280A @ 25% Duty Cycle	230V: 200 @ 45% 460V: 220 @ 40%	208V: 280A @ 50%	208/230V: 225A @ 10% Duty Cycle 90A @ 100% Duty Cycle	275A @ 40% Duty Cycle	120V: 155A @ 20% Duty Cycle 110A @ 100% Duty Cycle 240V
<b>Stick Amps @ Rated Duty Cycle</b>	120V: 120A/24.8V @ 60% Duty Cycle 90A/23.6V @ 100% Duty Cycle 240V: 225A/ 29V @ 60% Duty Cycle 175A/27V @ 100% Duty Cycle	220/240V: 200A/28V @ 35% Duty Cycle 160A/26.4V @ 60% Duty Cycle 130A/ 25.2V @ 100% Duty Cycle	120V: 90A @ 60% Duty Cycle 208-480V: 160A @ 60% Duty Cycle	115V: 90A @ 35% Duty Cycle 230V: 150A @ 20% Duty Cycle	235A @ 60% Duty Cycle	230V: 150 @ 40% 460V: 170 @ 40%	208V: 250A @ 40%	208/230V: 225A @ 10% Duty Cycle 90A @ 100% Duty Cycle	275A @ 40% Duty Cycle	N/A
<b>Max Inrush (I1MAX) Amps)</b>	120V: 35.7A 240V: 33.6A	220V (1): 40A 220V (3): 21A	120V: 33A 240V: 29A	115V: 25.2A 230V: 23.6A	N/A	230V: 33.7A 460V: 18.1A	208V: 47A	208V: 42A 230V: 39A	N/A	26A
<b>Maximum Rated (I1EFF) Input Amps</b>	120V: 29A 240V: 27A	220V (1): 32A 220V (3): 16A	120V: 26A 240V: 24A	N/A	N/A	230V: 33.7A 460V: 8.2A	208V: 38A	N/A	N/A	120V: 30A 230V:26A
<b>OCV</b>	70V/VRD: <24V	TIG: 80V Stick: 80V	80 V	47V	60V	<113V	75V	75V	75V	65V
<b>TIG Output Range DC</b>	120V: 3A-150A 240V:3A-250A	5A-250A	120V: 1-210A 208-480: 1-210A	115V: 5-125A 230V: 5-210A	1-280A	230V: 5-200A 460V: 5-220A	208V: 4-280A	208/230V: 5A-230A	N/A	120V: 4A-155A 240V: 4A-220A
<b>TIG Output Range AC</b>	120V: 5A-150A 240V: 5A-250A	5A-250A	120V: 2-210A 208-480: 2-210A	115V: 5-114A 230V: 5-184A	1-280A	230V: 5-200A 460V: 5-220A	208V: 4-280A	208/230V: 5A-230A	N/A	N/A
<b>Stick Output Range DC</b>	120V: 20A-120A 240V: 20A-225A	5A-200A	120V: 5-100A 208-480: 5-210A	115V: 20-90A 230V: 20-150A	5-280A	230V: 10-150 A 460V: 10-170A	208V: 4-250A	208/230V: 5A-230A	N/A	120V: 140A 240V:200A
<b>Stick Function</b>	Adjustable Arc Force Control	Adjustable Arc Force Control	Yes	N/A	Yes	Yes	Yes	N/A	Yes	N/A
<b>Stick Hot Start Type</b>	0-100%	Auto Adaptive Hot Start	0-100%	Adjustable	0-100%	0-50%	N/A	Adjustable	N/A	
<b>6010/Cellulose Capable</b>	6010/6011	Limited to 6011	6010/6011	6010/6011	6010/6011		6010/6011	6010/6011		
<b>Minimum Amp DC TIG Start</b>	3A	5A (+/-2A)	1A	5A	1A	5A	4A	5A	4A	4A
<b>Minimum Amp AC TIG Start</b>	5A	5A (+/-2A)	2A	5A	2A	5A	4A	5A	4A	4A
<b>TIG Start Type</b>	Solid State HF Lift Start	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift	HF	HF Lift	HF Lift TIG
<b>Memory</b>	Yes	No	Yes	No	Yes	Yes	No	No	No	Yes
<b>Start Amp Range</b>	DC: 5A-250A AC: 5A-250A	5A-250A	1-210A	5-210A	1-280A	5-220	4-280A	5-225A	4-340A	4-220A
<b>End Amp Range</b>	DC: 3A-250A AC: 5A-250A	5A-250A	1-210A	5-210A	1-280A	5-220A	4-280A	5-225A	4-340A	4-220A
<b>Upslope</b>	0-25 Seconds	0-10 Seconds	0-50 Seconds	N/A	0-50 Seconds	0-20 Seconds	.1-10 Seconds	None	.5 Seconds	N/A
<b>Down Slope</b>	0-25 Seconds	0-25 Seconds	0-50 Seconds	N/A	0-50 Seconds	0-20 Seconds	.1-10 Seconds	None	0-10 Seconds	.1-10 Seconds
<b>Preflow</b>	0-25 Seconds	0-10 Seconds	0-25 Seconds		0-25 Seconds	.1-10 Seconds	.5-30 Seconds	.5 Seconds	.5 Seconds	.1-2 Seconds
<b>Post Flow</b>	0-50 Seconds	0-25 Seconds	Auto/Off-50 Seconds	Auto/0-50 Seconds	Auto/0-50 Seconds	0-20 Seconds	.5-30 Seconds	1-30 Seconds	2-60 Seconds	.1-30 Seconds
<b>TIG Pulse</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Standard DC Pulse Frequency</b>	.1-500 Hz	.5-500Hz	0-250Hz	0-50Hz	0-250Hz	.2-2000Hz	0-300Hz	.1-20Hz	.1-20Hz	.1-999Hz
<b>Standard AC Pulse Frequency</b>	.1-500 Hz	.5-500Hz	0-250Hz	0-50Hz	0-250Hz	.2-2000Hz	20-200Hz	.1-20Hz	.1-20Hz	.1-999Hz
<b>AC Advanced Pulse Frequency:</b>	.1-10Hz	None	None	None	None	None	None	None	None	None
<b>Pulse Time On (Duty Cycle)</b>	3-100%	10-90%	40%	50%	40%	1-99%	30-65%	50%	5-95%	10%-90%
<b>Pulse Amp Range</b>	5-95%	5-95%	Fixed @ 25%	50%	25%		10-90%	50%	Min setting - 100%\	10%-90%
<b>AC Frequency (Hz)</b>	20-250Hz	20-250Hz	70-150Hz	70-150Hz	70-150Hz	30-200Hz	20-200Hz	60Hz		20-200Hz
<b>AC Balance Range</b>	5-90%	10-90% of Electrode Positive	60%-80% Electrode Negative	60%-80% Electrode Negative	60%-80% Electrode Negative	10-90% of Electrode Positive	10-90%	Auto		10%-90% Electrode Negative
<b>AC Wave Forms</b>	Advanced Square Soft Square Wave Triangular Sine	Advanced Square Wave	Advanced Squarewave Soft Square Wave Triangular Sine	Soft Square Wave	Advanced Squarewave Soft Square Wave Triangular Sine	Square Wave	Square wave	Square Wave	Square Wave	Square Wave
<b>Remote Control</b>	2T/4T with Torch Amptrol settings	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T
<b>Foot Pedal</b>	Standard	Standard	Optional	Optional	Optional	Yes	Optional	Yes	Optional	Yes
<b>Price</b>	<b>\$2,499</b>	<b>\$1,699</b>	<b>\$5,096</b>	<b>\$3,602</b>	<b>\$7,276</b>	<b>\$4,667</b>	<b>\$4,301</b>	<b>\$2,704</b>	<b>\$3,954</b>	<b>\$3,020</b>

\*Based upon advertised numbers at the time of publication.

\*N/A - Not Available at time of publication

\*NLA - No Longer Available