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Manufacturer	EVERLAST	Everlast	Everlast	MILLER	MILLER	MILLER	ESAB	ESAB	LINCOLN ELECTRIC	LINCOLN ELECTRIC	Lincoln Electric	HTP
Inverter Type	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Digital IGBT	Transformer	Digital IGBT	Digital IGBT	Transformer	Transformer	Digital IGBT	Digital IGBT
Output Type	AC/DC TIG, DC Stick	AC/DC TIG, DC Stick	AC/DC TIG, DC Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick	AC/DC TIG, Stick
Voltage/Phase/Hz	220/240/1/50/60	220/240/1/3/50/60	120/240/1/50/60	120/220/380/480/1/3/50/60	208/230/400/460/575/1/3/50/60	200/230/460/575/1/50/60	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
Max Rated TIG Amps	315A	250A	120V: 150A 240V: 250A	120V: 210 A 220V: 210 A	280 A	310 A	230V: 200 A 460V: 220 A	208V: 280 A	208/230V: 230 A	340 A	375 A	115V: 155 A 230V: 220 A
Max Rated Stick Amps	250A	200A	120V: 120A 240V: 225A	120V: 100 A 230V: 160 A	280 A	310 A	230V: 150 A 460V: 170A	208V: 250A	208/230V: 230 A	340 A	350 A	115V: 140 A 230V: 200 A
TIG Amps @ Rated Duty Cycle	220V/240V: 315A @ 60% Duty Cycle 250A @ 100% Duty Cycle	220V/240V: 250A @ 60% Duty Cycle 200A @ 100% Duty Cycle	120V: 150A/16V @ 60% Duty Cycle 120A/14.8V @ 100% Duty Cycle 240V: 250A/20V @ 60% Duty Cycle 200A/18V @ 100% Duty Cycle	120V: 125A @ 60% Duty Cycle 100A @ 100% Duty Cycle 208-480V: 210A @ 60% Duty Cycle 175A @ 100% Duty Cycle	280A @ 25% Duty Cycle	200V: 200A @ 60% 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	350A @ 30% Duty Cycle	120V: 155A @ 20% Duty Cycle 110A @ 100% Duty Cycle 240V
Stick Amps @ Rated Duty Cycle	220V/240V: 250A @ 35% Duty Cycle 200A @ 60% Duty Cycle 160A @ 100% Duty Cycle	220/240V: 200A/28V @ 35% Duty Cycle 160A/26.4V @ 60% Duty Cycle 130A/ 25.2V @ 100% Duty Cycle	120V: 120A/24.8V @ 60% Duty Cycle 90A/23.6V @ 100% Duty Cycle 240V: 225A/ 29V @ 60% Duty Cycle 175A/27V @ 100% Duty Cycle	120V: 90A @ 60% Duty Cycle 208-480V: 160A @ 60% Duty Cycle	235A @ 60% Duty Cycle	200V: 200A @ 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	350A @ 30% Duty Cycle	N/A
Max Inrush (I1MAX) Amps)	220V: 58A 230V: 55.5A 240V: 53A	220V (1): 40A 220V (3): 21A	120V: 35.7A 240V: 33.6A	120V: 33A 240V: 29A	N/A	N/A	230V: 33.7A 460V: 18.1A	208V: 47A	208V: 42A 230V: 39A	208V: 52A 230V: 47A	208V: 50A 230V: 47A	26A
Maximum Rated (I1EFF) Input Amps	220V:35A 230V: 33A 240V: 31A	220V (1): 32A 220V (3): 16A	120V: 29A 240V: 27A	120V: 26A 240V: 24A	N/A	N/A	230V: 33.7A 460V: 8.2A	208V: 38A	N/A	N/A	208V: 34A 230V: 31A	120V: 30A 230V:26A
OCV	TIG: 70V Stick: 70V	TIG: 80V Stick: 80V	70V/VRD: <24V	80 V	60V	80V	<113V	75V	75V	75V	Single Phase: 90V	65V
TIG Output Range DC	10A-315A/10.4V-22.6V	5A-250A/ 10.2V-20V	120V: 3A-150A 240V:3A-250A	120V: 1-210A 208-480: 1-210A	1-280A	3-310 Amps	230V: 5-200A 460V: 5-220A	208V: 4-280A	208/230V: 5A-230A	220/380/415: 2A-340A	1 Phase: 2A-250A 3 Phase: 2A-375A	120V: 4A-155A 240V: 4A-220A
TIG Output Range AC	20A-315A/10.4V-22.6V	5A-250A/ 10.2V-20V	120V: 5A-150A 240V: 5A-250A	120V: 2-210A 208-480: 2-210A	1-280A	3-310 Amps	230V: 5-200A 460V: 5-220A	208V: 4-280A	208/230V: 5A-230A	220/380/415: 2A-340A	1 Phase: 2A-250A 3 Phase: 2A-375A	N/A
Stick Output Range DC	20A-250A/20.8V-30V	5A-200A/ 20.2V-28V	120V: 20A-120A 240V: 20A-225A	120V: 5-100A 208-480: 5-210A	5-280A	3-310 Amps	230V: 10-150 A 460V: 10-170A	208V: 4-250A	208/230V: 5A-230A	220/380/415: 2A-340A	1 Phase: 20A-250A 3 Phase: 20A-350A	120V: 140A 240V:200A
Stick Function	Adjustable Arc Force Control	Adjustable Arc Force Control	Adjustable Arc Force Control	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
Stick Hot Start Type	Auto Adaptive Hot Start	Auto Adaptive Hot Start	0-100%	0-100%	0-100%	0-10		0-50%	N/A	Adjustable	Adjustable	N/A
6010/Cellulose Capable	Limited to 6011	Limited to 6011	6010/6011	6010/6011	6010/6011	6010/6011			6010/6011	6010/6011	Yes	
Minimum Amp DC TIG Start	10A	5A (+/-2A)	3A	1A	1A	3A	5A	4A	5A	4A	2A	4A
Minimum Amp AC TIG Start	20A	5A (+/-2A)	5A	2A	2A	3A	5A	4A	5A	4A	2A	4A
TIG Start Type	HF TIG	HF Lift TIG	Solid State HF and Lift Start	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift TIG	HF Lift	HF	HF Lift	HF Lift	HF Lift TIG
Memory	No	No	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes
Start Amp Range		5A-250A	DC: 5A-250A AC: 5A-250A	1-210A	1-280A	3-250A	5-220A	4-280A	5-225A	4-340A	2-375A	4-220A
End Amp Range		5A-250A	DC: 3A-250A AC: 5A-250A	1-210A	1-280A	3-250A	5-220A	4-280A	5-225A	4-340A	2-375A	4-220A
Upslope	0-15 Seconds	0-10 Seconds	0-25 Seconds	0-50 Seconds	0-50 Seconds	None	0-20 Seconds	.1-10 Seconds	None	.5 Seconds	0-5 Seconds	N/A
Down Slope	0-30 Seconds	0-25 Seconds	0-25 Seconds	0-50 Seconds	0-50 Seconds	None	0-20 Seconds	.1-10 Seconds	None	0-10 Seconds	0-25 Seconds	.1-10 Seconds
Preflow	0-10 Seconds	0-10 Seconds	0-25 Seconds	0-25 Seconds	0-25 Seconds	0-4 Seconds	.1-10 Seconds	.5-30 Seconds	.5 Seconds	.5 Seconds	0-25 Seconds	.1-2 Seconds
Post Flow	0-30 Seconds	0-25 Seconds	0-50 Seconds	Auto/Off-50 Seconds	Auto/0-50 Seconds	0-50 Seconds	0-20 Seconds	.5-30 Seconds	1-30 Seconds	2-60 Seconds	.1-60 Seconds	.1-30 Seconds
TIG Pulse	Yes	Yes	Yes	Yes	Yes	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Standard DC Pulse Frequency	.2-750Hz	.5-500Hz	.1-500 Hz	0-250Hz	0-250Hz	.25-10Hz	2-2000Hz	0-300Hz	.1-20Hz	.1-20Hz	.1-2000Hz	.1-999Hz
Standard AC Pulse Frequency	.5-750Hz	.5-500Hz	.1-500 Hz	0-250Hz	0-250Hz	.25-10Hz	2-2000Hz	20-200Hz	.1-20Hz	.1-20Hz	0.1-25% of AC output frequency setting in PPS	.1-999Hz
Pulse Time On (Duty Cycle)	10-90%	10-90%	3-100%	40%	40%	5-95%	1-99%	30-65%	50%	5-95%	5-95%	10%-90%
Pulse Amp Range	10-315A	5-95% of welding amps	5-95%	Fixed @ 25%	25%	5-95%		10-90%	50%	Min setting - 100%	10-90%	10%-90%
AC Frequency (Hz)	20-500Hz	20-250Hz	20-250Hz	70-150Hz	70-150Hz		30-200Hz	20-200Hz	60Hz		40-400Hz	20-200Hz
AC Balance Range	10-90%	10-90% of Electrode Positive	5-90%	60%-80% Electrode Negative	60%-80% Electrode Negative		10-90% of Electrode Positive	10-90%	Auto	85% Negative - 65% Positive	35-99% (EN)	10%-90% Electrode Negative
AC Wave Forms	Advanced Square Wave	Advanced Square Wave	Advanced Square Soft Square Triangular Sine	Soft Square Wave	Soft Square Wave	Square Wave	Square Wave	Square wave	Square Wave	Square Wave	Soft Square Sine Square Triangular	Square Wave
Remote Control	2T/4T	2T/4T	2T/4T with Torch Ampctrl settings	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T	2T/4T
Foot Pedal	Standard	Standard	Standard	Optional	Optional	Optional	Yes	Optional	Yes	Optional	Optional	Yes
Price	\$1,999	\$1,699	\$2,499	\$5,096	\$7,376	\$4,946	\$4,667	\$4,301	\$2,704	\$3,954	\$5,616	\$3,020

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

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

\*NLA - No Longer Available