

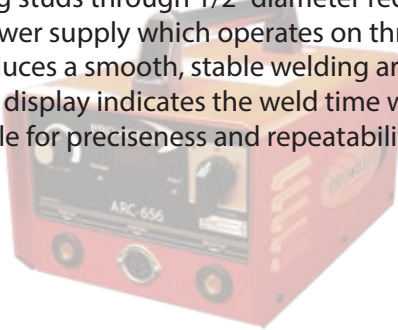
PRO*WELD™

By Nelson Fastener Systems

ARC STUD WELDING EQUIPMENT

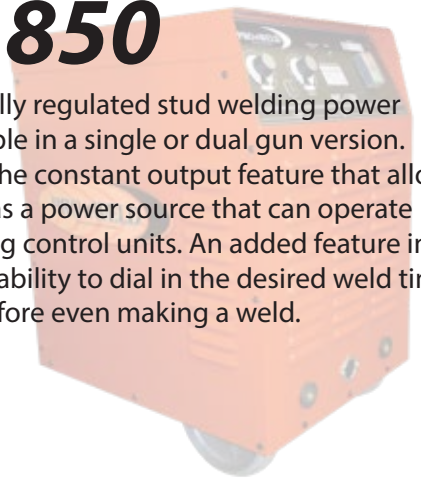
ARC-656

This is a compact lightweight stud welding power supply capable of welding studs through 1/2" diameter reduced weld base. The power supply which operates on three phase power produces a smooth, stable welding arc. The front panel digital display indicates the weld time which is infinitely adjustable for preciseness and repeatability.



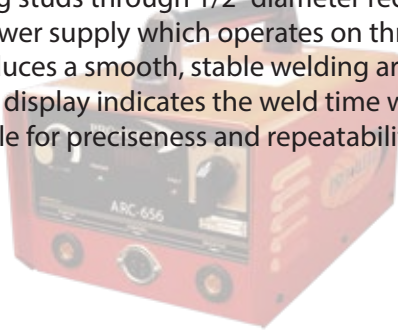
ARC-1850

The ARC-1850 is a fully regulated stud welding power supply that is available in a single or dual gun version. Both versions have the constant output feature that allows the unit to be used as a power source that can operate external stud welding control units. An added feature in the ARC-1850 is the ability to dial in the desired weld time and weld current before even making a weld.



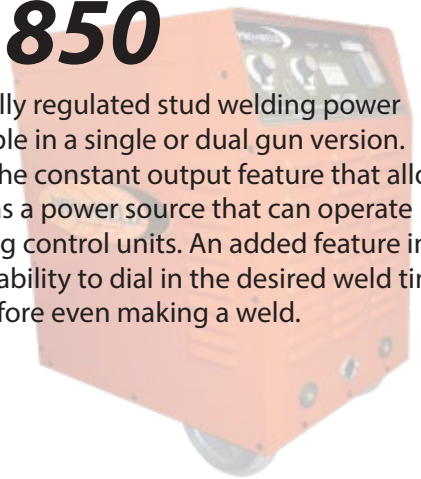
ARC-800

The ARC-800 is a compact and portable stud welding power supply capable of welding studs through 1/2" diameter weld base. The power supply which operates on single phase power has the added feature of weld current regulation that improves stud welding consistency.



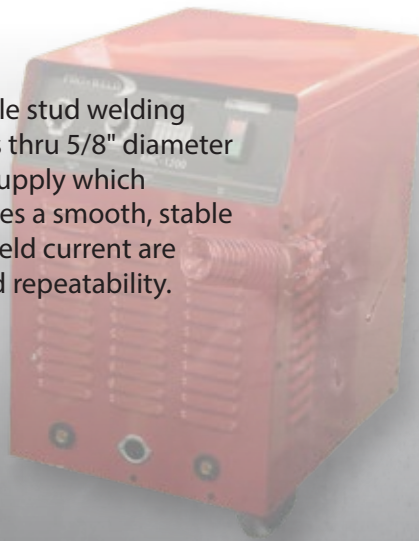
ARC-3000

The ARC-3000 is a fully regulated stud welding power supply that is available in a single or dual gun version. Both versions have the constant output feature that allows the unit to be used as a power source that can operate external stud welding control units. An added feature in the ARC-3000 is the ability to dial in the desired weld time and weld current before even making a weld. The ARC-3000 system is capable of welding studs from 1/4" diameter to 1-1/4" diameter with preciseness and repeatability.



ARC-1200

The ARC-1200 is a compact and portable stud welding power supply capable of welding studs thru 5/8" diameter weld base. The fully regulated power supply which operates on three phase power produces a smooth, stable welding arc. Both the weld time and weld current are infinitely adjustable for preciseness and repeatability.



Simple.
Efficient.
Durable.
ProWeld

SPECIFICATIONS

| | DIMENSIONS | WEIGHT | OUTPUT | INPUT |
|-----------------|--|---|--------------------------------------|--|
| ARC-656 | 8.25"h x 11.25"w x 17"d | 77 lbs. | 650 amps @ 36 vdc | 208 / 230 / 460 / 575 vac 400 vac 3 phase 50 Hz |
| ARC-800 | 36.5"h x 16"w x 14"d | 150 lbs. | 900 amps | 220 / 380 / 415 vac 1 phase 50 Hz 208 / 230 / 460 vac 1 phase 60 Hz |
| ARC-1200 | 27.5"h x 17"w x 22"d | 194 lbs. | 1300 amps @ 40 vdc | 220 / 380 / 415 vac 3 phase 50 Hz 230 / 460 / 575 vac 3 phase 60 Hz |
| ARC-1850 | 26"h x 24"w x 33"d | 500 lbs. | 1850 amps @ 45 vdc | 220 / 380 / 415 vac 3 phase 50 Hz 230 / 460 / 575 vac 3 phase 60 Hz |
| ARC-3000 | 28"w x 36"h x 40"d | 950 lbs. | 3000 amps @ 44 vdc | 380 / 415 / 440 vac 3 phase 50 Hz 230 / 460 / 575 vac 3 phase 60 Hz |
| | FUSING | TIME CONTROL | CURRENT CONTROL | DUTY CYCLE |
| ARC-656 | 60 / 30 delay type | .015-1.00 sec | | $\frac{3}{8}$ " 8 per min. / $\frac{1}{2}$ " 2 per min. |
| ARC-800 | 100 / 100 / 50 delay type | Stepless adjustable .05-.6 sec | Stepless adjustable 100-900 amps | |
| ARC-1200 | 120 / 60 / 50 delay type | Stepless adjustable RANGE A .06-.3 sec RANGE B .1-1.0 sec | Stepless adjustable 400-1300 amps | $\frac{1}{4}$ " 20 per min. - $\frac{5}{16}$ " 15 per min. $\frac{3}{8}$ " 13 per min. - $\frac{1}{2}$ " 8 per min. $\frac{5}{8}$ " 4 per min. |
| ARC-1850 | 200 / 100 / 90 delay type | Stepless adjustable .1-1.6 sec | Stepless adjustable 100-1900 amps | 12 GA $\frac{5}{8}$ " unlimited- $\frac{3}{4}$ " 10 per min. - $\frac{7}{8}$ " 4 per min. |
| ARC-3000 | 400 / 200 / 200 delay type 3 phase 60 cycle | Stepless adjustable .1-1.8 sec | Stepless adjustable 400-3000 amps | $\frac{1}{4}$ - $\frac{3}{8}$ " unlimited - $\frac{1}{2}$ " 60 per min. $\frac{5}{8}$ " 30 per min. - $\frac{3}{4}$ " 20 per min. $\frac{7}{8}$ " 15 per min. - 1" 10 per min. |

COMPONENTS

| ARC-656 | ARC-800 | ARC-1200 | ARC-1850 | ARC-3000 |
|--|------------------------------------|--|--|--|
| ITEM PART # | ITEM PART # | ITEM PART # | ITEM PART # | ITEM PART # |
| System 100-0215 | System 100-0211 | System 100-0208 | SINGLE Welding Tool System 100-0210S | SINGLE Welding Tool System 100-0207S |
| Power Supply 200-0050 (400V/ 480V) | Power Supply 200-0026 | Power Supply 200-0018 (gas unit 200-0043) | Power Supply 200-0022 | Power Supply 200-0016 |
| LD ARC Welding Tool (25' leads) 300-0802 | Welding Tool 300-0800 | LD ARC Welding Tool 300-0800 | HD ARC Welding Tool 300-0900 | HD ARC Gun 300-0900 |
| Ground Cable 15' x #2 125-0101 | Ground Cable 25' x 1/0 125-0102 | Ground Cable 25' x 1/0 125-0102 | Ground Cable 25' x 4/0 125-0104 | Ground Cable 25' x 4/0 125-0110 |
| Options Power Supply 575V 200-0027-575 | Combo Cable 50' x 1/0 125-1000 | Combo Cable 50' x 1/0 125-1000 | Combo Cable 50' x 4/0 125-1002 | Combo Cable 50' x 4/0 125-1002 |
| Power Supply 208V / 230V / 480V 200-0027* | | | DUAL Welding Tool System 100-0210D | DUAL Welding Tool System 100-0207D |
| Power Supply 400V / 480V / gas unit 200-0051 | | | Power Supply 200-0023 | Power Supply 200-0017 |
| LD ARC Welding Tool (25' leads) with Dampener 300-0803 | | | | |

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