

# PRO\*WELD™

By Nelson Fastener Systems

## ARC-656



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

The expanded time range provides fine adjustment of weld time for special short cycle applications, such as welding on thin base materials.

A specially designed electronic welding tool control circuit has been incorporated to increase overall reliability. If a fault condition occurs due to a shorted weld tool solenoid or a faulty control cable, the circuit will prevent the weld tool from re-triggering and eliminate damage to printed circuit boards.

*Simple.  
Efficient.  
Durable.*  
**ProWeld**

## SPECIFICATIONS

### ARC-656

DIMENSIONS	8.25"h x 11.25"w x 17"d
WEIGHT	77 lbs.
OUTPUT	650 amps @ 36 vdc
INPUT	208 / 230 / 460 / 575 vac 400 vac 3 phase 50 Hz
FUSING	60 / 30 delay type
TIME CONTROL	.015-1.00 sec
DUTY CYCLE	$\frac{3}{8}$ " 8 per min. $\frac{1}{2}$ " 2 per min.

## COMPONENTS

### ARC-656

### PART #

SYSTEM	100-0215
POWER SUPPLY (400V / 460V unit)	200-0050
LD ARC WELDING TOOL (25' leads)	300-0802
GROUND CABLE 15' X #2	125-0101

## OPTIONS

POWER SUPPLY (575V)	200-0027-575
POWER SUPPLY (208V / 230V)	200-0027
POWER SUPPLY (400V / 480V / gas unit)	200-0051
LD ARC WELDING TOOL (25' leads) with Dampener	300-0803

## FEATURES

### ARC-656

- Precise weld time adjustments
- Short cycle capabilities
- Diagnostic LED's
- State-of-the-art weld tool control circuitry
- Portable
- 3-Year warranty on printed circuit board
- Lightweight aluminum cabinet
- Powder coating provides rust-free protection
- Designed and built in 



**ProWeld™**

7900 W. Ridge Rd. • Elyria, OH 44035 USA • PH: +1 (440)-329-0400 • Fax: +1-(440) 329-0526 • [www.ProWeldInternational.com](http://www.ProWeldInternational.com)  
USA • Canada • Mexico • Germany • China • France • Italy • UK • India