

# PRO WELD

INTERNATIONAL

## ARC-1850

### STUD WELDING POWER SUPPLY

#### DESCRIPTION

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. Stick welding and Arc air gouging processes are available only as an option. 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. By selecting the setup mode, the weld time and current can be adjusted and displayed on the front panel digital meters.

A specially designed electronic gun control circuit has been incorporated into the system. If a fault condition occurs due to a shorted gun solenoid or a faulty control cable, the circuit will prevent gun retriggering and eliminate damage to printed circuit boards.

#### SPECIFICATIONS

DIMENSIONS:	26"H x 24"W x 33"D
OUTPUT:	1850 AMPS @45 VDC
WEIGHT:	500 LBS.
DUTY CYCLE:	12 GA- 5/8" UNLIMITED 3/4" 10/MIN. 7/8" 4/MIN.
INPUT:	230/460/575 VAC 3 PHASE 60HZ
FUSING:	200/100/90 DELAY TYPE
OPTIONAL INPUT	220/380/415 VAC - 50Hz
TIME CONTROL:	STEPLESS ADJUSTABLE .1 - 1.6 SEC.
CURRENT CONTROL:	STEPLESS ADJUSTABLE 100 - 1900 AMP

#### COMPONENTS

DESCRIPTION:	
SYSTEM	
SINGLE	
DUAL	
POWER SUPPLY:	
SINGLE:	
DUAL:	
GROUND CABLE:	
25' x 4/0	
COMBO CABLE:	
50' x 4/0	
H.D. WELD GUN:	
M.D. WELD GUN:	



#### FEATURES

- \* Designed and built in U.S.A.
- \* Constant current output
- \* Single or dual gun systems
- \* Independent gun controls
- \* Precise weld time and weld current adjustments
- \* Digital display of actual weld time and weld current
- \* Diagnostic LED's
- \* State of the art gun control circuitry
- \* Built in chuck saver
- \* Auto safety shutdown