



Arc Power Supply (PW-05Arc)

New product is added to our Power supply family.
 Arc Weld Power Supply "PW-05Arc" which uses the arc discharge for welding.
 It enables the satisfying weld even though the material and shape are difficult for spot weld.



Special Feature

- ▶ **Pre-heat function : electrical contact before arc discharge**
 Equalize resistance of contact surface to minimize the fluctuation of electrical contact current.
- ▶ **Start arc discharge between two subjects separated by magnetic force**
 Less influence of electromagnetic interference caused by high voltage discharge.
- ▶ **Arc discharge main circuit is independent from magnet control circuit which triggers the arc weld**
 The space between subjects for arc discharge is stable (fixed) because of independent magnetic control circuit, thus allows the stable discharge.
- ▶ **Constant current property is achieved within discharge area**
 The space for arc current is stable (fixed), thus stable discharge is achieved.
 Less fluctuation of the current during discharge, which makes the weld stable.
- ▶ **Keypad to make setting of arc current and output time**
 Easy arc discharge output condition setting.
- ▶ **Charging voltage/time can be controlled by Magnet control circuit**
 Easier to find the best weld condition by making change on Supply voltage/time by rotation POT.
- ▶ **Output Current/Voltage of magnet and arc discharge to weld wave monitor terminal(rear panel)**
 Magnet and arc current, voltage, timing can be visualized by use of oscilloscope.

Specification

Input Voltage	AC200V
Input Amperage	0.6KVA
Max Output Voltage	50Volt
Max Output Current	500Amps
Output Rise Time	100 μ secmax (Welding Power Supply alone) Varies with the connection cable length
Output Setting Range (Pre-heat & Main-heat)	Constant Current Control / 0~500A
Time Setting Range	Pre-heat / 0~9999 μ sec Interval / 0~9999 μ sec Up-slope / 0~9999 μ sec Main-heat / 0~9999 μ sec Down-slope / 0~9999 μ sec
Weld Condition Memory	3 settings
Control response Speed	5msec
Cooling Method	Forced air cooling
Dimension (W x D x H)	270×456×345mm
Weight	30kg

