



The Sunstone™ CDDP-A

Now available in Four Models: 200 • 400 • 600 • 1200

Precise, Repeatable and Monitored Control Over Every Aspect of Every Weld

Sunstone's advanced CD welders come standard with weld monitoring, SPC tools, and large touch-screen interface. The easy-to-use interface provides quick access to all weld parameters, including waveform graphs, histograms, alarms, warnings, and on-screen documentation and how-to videos. For automated production settings, the welder has multiple PLC protocols. You can also set up multiple machines in a simplified way thanks to a time-saving clone feature.

The Sunstone CDDP-A uses capacitors to store and release weld energy you'll enjoy highly repeatable welds unaffected by line voltage fluctuations. Additionally, you'll achieve quick energy release for welding highly conductive metals such as copper, yet only generate a small heat signature or heat affected zone.



TYPICAL APPLICATIONS

- Honeycomb Tacking
- Battery Pack Connections
- Continuous Roll Spot Welding
- Cross-wire Welding
- Thermocouples
- Thin Sheets and Wire of Copper, Aluminum, Brass, other Conductive Metals
- Misc. Resistive Applications

FEATURES

- Full-color, Touchscreen Interface
- Visual Weld Waveform Graph
- High-precision Energy Adjustment
- Histogram
- Comparator with Voltage, Current, Power
- Alarms and Warnings
- Timestamp Data Feedback
- Import/Export Weld Data
- Multiple Languages
- WiFi Software Updates
- Save Settings
- Built-in Training Videos and Documentation
- Cloning Capabilities
- Emergency Stop
- PLC Ready
- Dual Weld Head Control
- Roll-spot Welding
- Lock-out Mode

877-786-9353 • www.sunstonewelders.com



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The Micro Welder Experts

SPECIFICATIONS

	CD200DP-A	CD400DP-A	CD600DP-A	CD1200DP-A
TABLETOP FOOTPRINT (L X W X H)	22.8x48.2x30.5 cm	22.8x48.2x30.5 cm	22.8x48.2x30.5 cm	30.5x33x48.2 cm
UNIT WEIGHT	19.6 kg	20.2 kg	20.8 kg	30.4 kg
INPUT VOLTAGE	85 - 260 VAC	85 - 260 VAC	85 - 260 VAC	85 - 260 VAC
FREQUENCY RANGE	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
POWER FACTOR (typ.)	PF>0.94/230 VAC PF>.99/115 VAC	PF>0.94/230 VAC PF>.99/115 VAC	PF>0.94/230 VAC PF>.99/115 VAC	PF>0.94/230 VAC PF>.99/115 VAC
AC CURRENT (typ.)	8.5A/115 VAC 5A/230 VAC	8.5A/115 VAC 5A/230 VAC	8.5A/115 VAC 5A/230 VAC	17A/119 VAC 10A/230 VAC
POTENTIAL PEAK INPUT ACTUAL AVERAGE CURRENT (welding)	5A/115 VAC 3A/230 VAC	5A/115 VAC 3A/230 VAC	5A/115 VAC 3A/230 VAC	8.9A/119 VAC 5A/230 VAC
SINGLE AND DUAL PULSE	YES	YES	YES	YES
PULSE 1 ENERGY ADJUSTMENT	0-30%	0-30%	0-30%	0-30%
PULSE 2 ENERGY ADJUSTMENT	0-100%	0-100%	0-100%	0-100%
WELD PULSE CHARACTERISTICS				
MIN AND MAX OUTPUT	0.2 ws - 200 ws	0.2 ws - 400 ws	0.2 ws - 600 ws	0.2 ws - 1,200 ws
MIN AND MAX PULSE WIDTH	0.27 ms - 19.5 ms	0.29 ms - 30 ms	0.31 ms - 40.5 ms	1.13 ms - 60 ms
RISE TIME (to max voltage)	0.2 ms	0.2 ms	0.2 ms	0.2 ms
MIN AND MAX PULSE HEIGHT	1.1 V - 15.8 V	0.9 V - 18.3 V	0.8 V - 19.4 V	0.3 V - 19.4 V
WELDS PER MINUTE BY % OF TOTAL WELD ENERGY (IN DUAL PULSE MODE, MAX ENERGY, PULSE WIDTH AT 100%)				
0.10% with both pulses enabled	650 (0.2 ws)	600 (0.4 ws)	530 (0.6 ws)	460 (1.2 ws)
0.10%	550 (0.2 ws)	530 (0.4 ws)	500 (0.6 ws)	260 (1.2 ws)
1%	450 (2 ws)	290 (4 ws)	240 (6 ws)	214 (12 ws)
5%	250 (10 ws)	160 (20 ws)	130 (30 ws)	120 (60 ws)
10%	190 (20 ws)	120 (40 ws)	90 (60 ws)	85 (120 ws)
25%	130 (50 ws)	70 (100 ws)	60 (150 ws)	52 (300 ws)
50%	90 (100 ws)	50 (200 ws)	40 (300 ws)	36 (600 ws)
100%	60 (200 ws)	30 (400 ws)	30 (600 ws)	23 (1200 ws)
PEAK WELD CURRENT* (BY EXTERNAL CABLING GAUGE NUMBER, AWG. FOUR AND EIGHT AWG IS TYPICAL FOR HAND-HELD ATTACHMENTS)				
1 AWG 8ft	6583	7625	8080	8500
4 AWG 8ft	4575	4910	5225	5800
8 AWG 8ft	3038	3520	3730	3960

RECOMMENDED WELDHEADS



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