

Power Wave® C300



**Portable.
Powerful.
Compact.**

One machine does it all!



Ready-Pak® Pkg.
(K2774-1) shown

The Power Wave® C300 is a portable multi-process wire feeder welder. It is ideal for production welding, general fabrication, construction, and training and education.

- ▶ **PowerConnect™ Technology** – Automatically adjusts to input power from 200-600V, 50 or 60 Hz, single phase or three phase. Welding output remains constant through the entire input voltage range.
- ▶ **Low Operating Cost** – Tribrid™ power module provides exceptional welding performance at an industry leading 0.97 power factor and 88% efficiency at 250 amps.
- ▶ **Production Monitoring™ 2** – Track equipment usage, store weld data, and configure limits to assist in welding efficiency analysis.
- ▶ **iARC™ Digital Controls** – Fast processing speed provides exceptional arc stability regardless of weld process. Ethernet connection now standard.
- ▶ **Compact and Durable Case** – IP23 rated to withstand harsh environments and maximize portability.

Processes

- STICK
- DC TIG
- PULSED DC TIG
- PULSED MIG
- MIG
- FLUX-CORED

Output:  Input:   

Ready-Pak® Pkg. (K2774-1) Includes

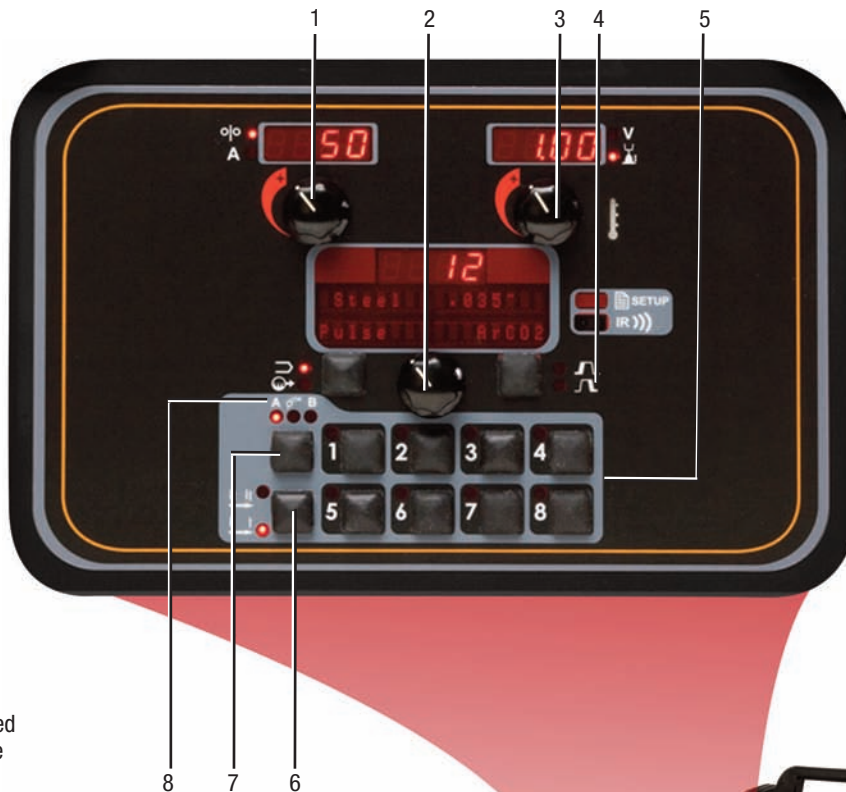
- K2675-1 Power Wave® C300
- K2734-1 Understorage Cart
- K2795-1 Magnum® 300 Gun Package
- Harris® Flowmeter
- Hose

Key Options

- Magnum® Pro-Torch® TIG Torches
- K870 Foot Amptrol®
- K963-3 Hand Amptrol®
- K2447-2 Python®- Plus Push-Pull Gun

KEY CONTROLS

- 1. Continuous WFS/Amps Control** – Adjust wire feed speed (WFS) in MIG and Flux-Cored welding, adjust amperage in Stick or TIG welding.
- 2. Welding Mode** – Choose from 56 standard welding modes. Customized modes also available.
- 3. Continuous Volts/Trim Control** – Adjust voltage when MIG and Flux-Cored welding. Adjust arc length (trim) when Pulsed MIG welding.
- 4. Advance Process Options** – Control pre- and post-weld settings to optimize arc starts and stops.
 - Pre-Flow – Amount of time between when gas flow starts and wire feed begins.
 - Run-In – Wire feed speed (WFS) prior to arc start.
 - Start Procedures – Set the WFS and volts/trim for an adjustable starting time to provide for better weld starts.
 - Spot Timer – Adjustable arc time for repetitive tack and spot welds.
 - Crater – Set the WFS and volts/trim for a defined time after the trigger is released and before the arc is extinguished.
 - Burnback – Variable amount of time the arc is maintained after wire feed stops to prevent wire sticking to the puddle.
 - Post-Flow – Amount of time gas flow continues after the arc is extinguished.
- 5. Memory Presets** – Store up to 8 customized weld procedures for multiple operators, processes, and settings.
- 6. 2 Step/4 Step** – Select 2 Step for switching weld output on and off in direct response to the trigger. Select 4 Step for trigger interlock capability.
- 7. Dual Procedure** – Switch from one weld procedure to another while welding.
- 8. UltiArc™ Control** – Adjust arc characteristics to match individual preferences.



PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Input Current@ Rated Output	Rated Output Current/Voltage/ Duty Cycle	Output Range	Wire Feed Speed Range ipm (m/min)	Wire Size Range inches (mm)		H x W x D inches (mm)	Net Weight lbs. (kg)
							Solid	Cored		
Power Wave® C300	K2675-1	208/230/400/460/575 VAC	53/48/29/25/20A (1 phase) 30/28/16/14/11A (3 phase)	300/29/40% 250/27/100%	5-300A	50 - 700 (1.27 - 17.8)	.023 - .045 (0.6 - 1.2)	.035 - .045 (0.9 - 1.2)	20.4 x 14 x 24 (518 x 356 x 609)	91 (41.4)
Ready-Pak®	K2774-1	50/60 Hz							40.2 x 24 x 45.2 (1021 x 609 x 1148)	240 (108)

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

Lincoln Electric is a responsible manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change — This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

