

Lincoln Electric®

Invertec® V350-PRO**Processes**Stick, DC TIG, MIG, Pulsed⁽¹⁾, Flux-Cored, Gouging⁽¹⁾ Advanced Process model only.**Product Number**

K1728-12, K1728-12VP

See back for complete specs

Input Power

see chart on back

Input Current at Rated Output

see chart on back

Rated Output

350A/34V/60% Duty Cycle

Output Range

5-425A Max OCV: 80V DC

Weight/Dimensions (H x W x D)36.7 kg
373 x 338 x 706 mm**ADVANTAGE****▶ Exceptional Multi-Process Fabrication Welding -**

- CC - Stick Soft
- CC - Stick Crisp
- DC TIG
- CV - Wire – For MIG and Metal-Cored
- CV - Innershield® and Outershield® Flux-Cored
- Arc Gouging – Accessible from All Modes – Plenty of power to handle a 5/16 in (7.9 mm) carbon

▶ All input voltages and frequencies are both single and three phase rated -

No output derating necessary on single phase.

▶ 5-425 amp output range -

For all recommended processes from DC TIG to arc gouging.

▶ Input voltage from 208-440 and 50 and 60 Hz operation -

One machine runs on virtually any input power supply.

▶ Touch Start TIG®

For contamination-free starts.

▶ Low power consumption for energy savings

88% efficiency.

▶ Factory fitted VRD

Order K1728-12VP

▶ Bright, large digital amp and volt meters are easy to monitor -

Even in sunlight – and presettable for precise procedure control.

▶ Rugged skid and tube handles-

For convenience and added protection.

**INPUT****OUTPUT****Designed Smart. Built Tough.**

The multi-process Invertec® V350-PRO is an efficient, lightweight and portable choice for training, fabrication or construction applications. The versatile V350-PRO is ready for almost any welding job in shop or outdoor environments.

APPLICATIONS

- ▶ Metal Fabrication
- ▶ Construction
- ▶ Structural Fabrication
- ▶ Schools and Training Facilities
- ▶ Maintenance and Repair

RECOMMENDED FEEDERS

- ▶ LF-72
- ▶ LF-74
- ▶ LF-33
- ▶ LN-25 PRO
- ▶ LN-25 PRO Dual Power

OPTIONAL ADVANCED PROCESS PANEL INCLUDES

- ▶ Pulsed MIG – Varies weld current to reduce warping and burnthrough on thin materials.
- ▶ Pulse-On-Pulse® – Controls arc length and heat input to achieve excellent appearance and penetration on aluminum.
- ▶ Power Mode® – Delivers a responsive arc when MIG welding to reduce spatter, improve bead wetting and control penetration. Great for thin steel, stainless, silicon bronze and nickel alloys.

Invertec® V350-PRO

KEY CONTROLS

Factory Model (K1728-12)

- Adds full remote capabilities and auto-detect local/remote override control.
- Versatile multi-process machine for MIG, cored, stick, TIG and arc gouging applications.
- Optional Advanced Process Panel adds:
 - Pulsed MIG
 - Lincoln Electric Power Mode®
 - Lincoln Electric Pulse-on-Pulse®

Great For:

- Construction or large-scale production factory applications.

Compatible with:

- LF-72, LF-74, LF-33, and LN-25 PRO wire feeders.
- 6-pin and 14-pin MS-type connectors.



- 1) Large, bright, easy to read meters
- 2) Local/remote output control
- 3) Mode selection switch
- 4) Remote Output Control Receptacles – 6- & 14-pin
- 5) Negative and Positive Twist Mate™ Output Terminals
- 6) Wire Feeder Voltmeter Polarity Switch
- 7) Circuit Breaker Reset Buttons
- 8) On/Off Switch
- 9) Hot Start Control
- 10) Arc Control Knob
- 11) Weld Terminals on or remotely controlled
- 12) Preset Output Amps and Voltage Control
- 13) Thermal Overload Indicator Light

Product	Order	Description	Image
System Selection			
V350-PRO Inverter Racks	Order K32071-1 6-Pack Inverter Rack with 6 Invertec® V350-PRO VRD	<ul style="list-style-type: none"> • An ideal system to group several inverter power sources in an industrial portable package. • Includes Invertec® V350-PRO VRD Model (K1728-8V). This special rack version has all the same features as the factory model with added IP23S rating for outdoor use. 	
Recommended Accessories to Expand Machine Capabilities			
Advanced Process Panel	Order K1763-1	Includes Pulsed MIG, Pulse-On-Pulse® and Power Mode® capabilities. Alpha-numeric display for accurate setting.	
Inverter and Wire Feeder Cart	Order K1764-1	Rear-wheeled cart includes front casters and no-lift gas bottle platform. Convenient handles allow for easy cable storage while full length side trays store parts and tools. Shipped fully assembled. Small footprint fits through 762 mm door.	
Remote Output Control	Order K857 for 25 ft. (7.6 m) Order K857-1 for 100 ft. (30 m)	Consists of a control box with choice of two cable lengths. Permits remote adjustment of output.	

PRODUCT SPECIFICATION

Product Name	Product Number	Model	Input Power	Rated Output Current/Voltage/ Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
Invertec® V350-PRO	K1728-12	Includes Factory VRD & 415V 32A Plug	200-220/380-400/ 415-440/1/3/50/60	350A/34V/60% (3ph) 320A/33V/60% (1ph) 300A/32V/100% (3ph) 275A/31V/100% (1ph)	3ph: 48/28-27/26-24 1ph: - 82/55-50/48-45 3ph: 41-37/28-22/22-21 1ph: - 64/44-43/38-35	5-425A Max OCV: 80V DC	376 x 338 x 709	36.7
	K1728-12VP							

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 responsive 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.

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 THE WELDING EXPERTS®