

# ENTRON™



## iPAK2v2 1.5K MFDC Inverter Weld Control



**Introducing the iPAK2v2 1.5K**  
**Built and shipped from the USA.**

The iPAK2v2 1.5K is a Full Featured Mid-Frequency Weld Control built to last and can handle your Resistance Welding needs. Whether it is SPOT Welding, PROJECTION Welding, SEAM Welding or RESISTANCE HEATING, ENTRON CONTROLS can provide you with the MFDC weld control that fits your application.

### KEY FEATURES INCLUDE:

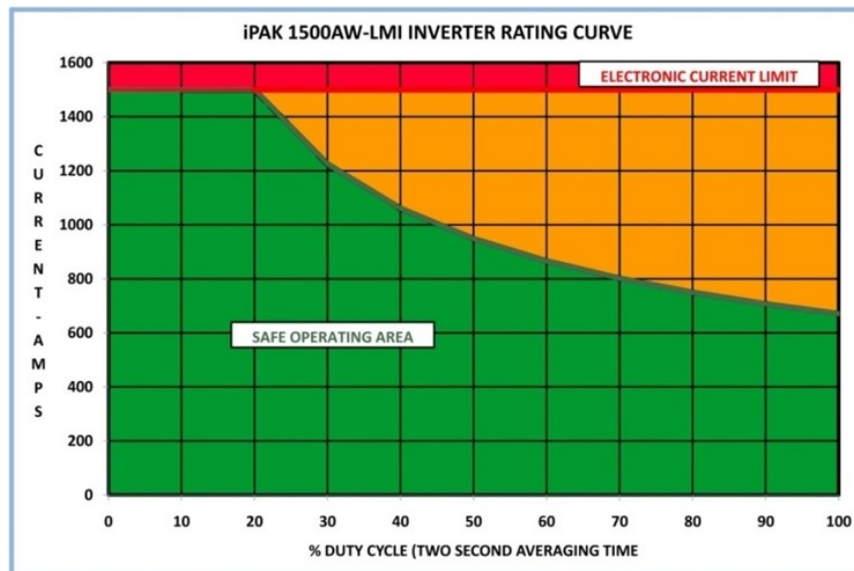
- 256 Weld Programs. Spot or Seam
- 3 Weld Intervals (Pre-Heat + Main Heat + Pulsation + Post Heat)
- Secondary or Primary Constant Current Regulation
- Seam mode—change programs 'on the fly', up to 8 motor command outputs
- Programmable force within programs w/ Analog Valve control
- Current Monitor—Force Monitor
- Conduction Monitoring for Wear or Shunting
- Data Logging up to 6000 records
- Door interlocking breaker
- Ethernet IP— Ethernet TCP/IP (Modbus)
- RS232 and RS485 Port Connections
- Door Mounted Operation Mode Switch (program lockout switch and weld/no weld)
- 16 inputs / 16 outputs (short circuit protected and dedicated function)
- Analog Heat control configuration
- 7 Auxiliary Valves/Events access during sequence
- Forge Delay assign to available AUX Outputs
- Door mounted Ethernet/RS232 access



ENTRON Controls LLC. USA  
Tel: 864-416-0190  
Email: [customerservice@entroncontrols.com](mailto:customerservice@entroncontrols.com)

## iPAK2v2 1.5K General Power Specifications

| General Power Specifications                                         | iPAK2v2-4.5K                  |
|----------------------------------------------------------------------|-------------------------------|
| Maximum output power @ 20% Duty Cycle @ 2 seconds averaging time     | 975 kVA @ 480 V line voltage  |
| Maximum line input voltage                                           | 480 V ac +10% -20% @ 50/60 Hz |
| Maximum output current—Limited Electronically                        | 1,500 Amps                    |
| Maximum Continuous output current                                    | 670 Amps                      |
| Maximum line input current per phase                                 | 866 Amps                      |
| Continuous equivalent rms line current per phase (1,500A @ 20% Duty) | 387 Amps                      |
| Power Factor                                                         | Leading                       |
| Current Regulation and Feedback                                      | Primary and Secondary         |
| Current Regulation Accuracy                                          | +/- 2%                        |
| Current Regulation Repeatability                                     | +/- 1%                        |
| Inverter Switching Frequency                                         | 1kHz                          |
| Maximum Average Time                                                 | 2 seconds                     |
| Water Flow Rate                                                      | 10 liters per minute          |
| Maximum inlet water temperature                                      | 25 degrees centigrade         |



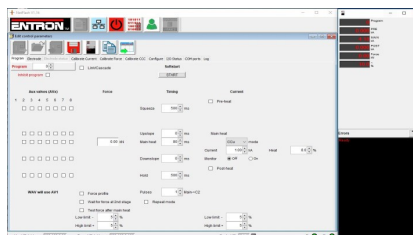
### MULTIPLE PROGRAMMING OPTIONS

Feature and programming format common with EN7000 AC control

WSP3 Handheld Pendant  
for local programming



NETFLASH Software for Network Connection



ENTRON Controls LLC. USA  
Tel: 864-416-0190  
Email: [customerservice@entroncontrols.com](mailto:customerservice@entroncontrols.com)