

# ENTRON™



## iPAK2v2-LMiv2-4.5K MFDC Inverter Weld Control



### Introducing the iPAK2v2-LMiv2 4.5K Built and shipped from the USA.



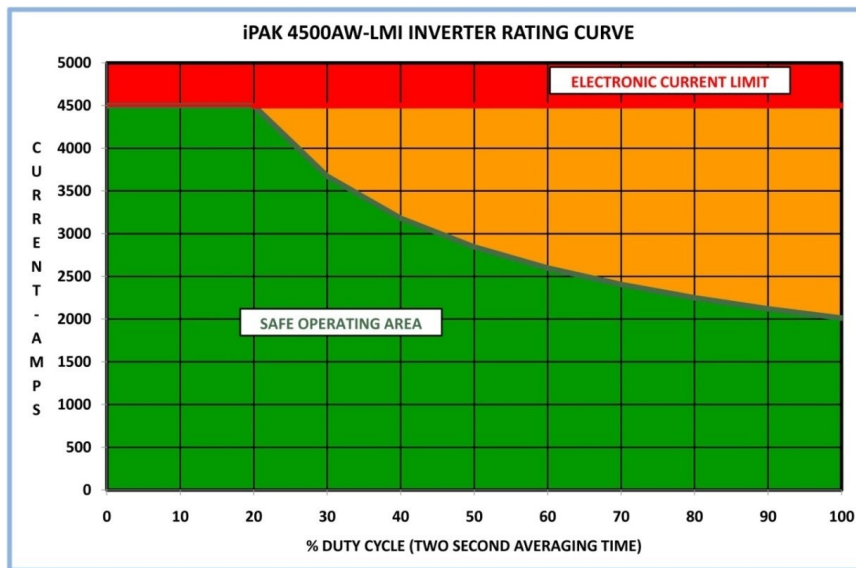
The iPAK2v2 4.5K is a Full Featured Mid-Frequency Weld Control built to last and can handle your Resistance Welding needs. Whether it is SPOT Welding, PROJECTION Welding, SEAM Welding or RESISTANCE HEATING, ENTRON CONTROLS can provide you with the MFDC weld control that fits your application.

### 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

iPAK2v2 4.5K General Power Specifications

General Power Specifications	iPAK2v2-4.5K
Maximum output power @ 20% Duty Cycle @ 2 seconds averaging time	2,925 kVA @ 480 V line voltage
Maximum line input voltage	480 V ac +10% -20% @ 50/60 Hz
Maximum output current—Limited Electronically	4,500 Amps
Maximum Continuous output current	2,012 Amps
Maximum line input current per phase	2,598 Amps
Continuous equivalent rms line current per phase (4,500A @ 20% Duty)	1,162 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	30 liters per minute (10 liters per module)
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

