

ENTRON™



iPAK2v2 BCM MFDC Weld Controls

Available in 3 different sizes:

360 Amp, 600 Amp and 1000 Amp



Introducing the **iPAK2v2 BCM Series**. Built and shipped from the **USA**.

The **iPAK2v2 BCM Series** 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
- UL Rated—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

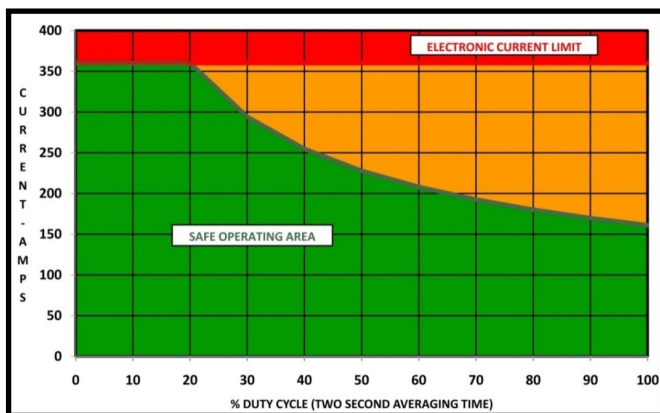


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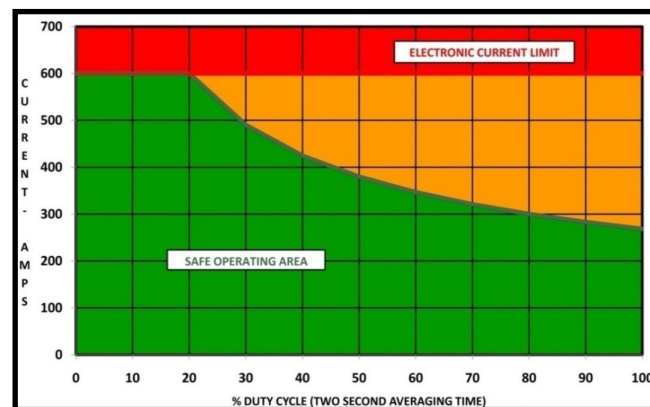
iPAK2v2 General Power Specifications

General Power Specifications	iPAK2v2-360AW BCM	iPAK2v2-600AW BCM	iPAK2 1000AW BCM
Maximum output power @ 20% Duty Cycle @ 2 seconds averaging time	234 kVA @ 480 V line voltage	390 kVA @ 480 V line voltage	650 kVA @ 480 V line voltage
Maximum line input voltage	480 V ac +10% -20% @ 50/60 Hz	480 V ac +10% -20% @ 50/60 Hz	480 V ac +10%-20%@50/60 Hz
Maximum output current—Limited Electronically	360 Amps	600 Amps	1000 Amps
Maximum Continuous output current	160 Amps	268 Amps	447 Amps
Maximum line input current per phase	207 Amps	346 Amps	577 Amps
Continuous equivalent rms line current per phase (360, 600 & 1000A) @ 20% Duty	93 Amps	155 Amps	258 Amps
Power Factor	Leading	Leading	Leading
Current Regulation and Feedback	Primary and Secondary	Primary and Secondary	Primary and secondary
Current Regulation Accuracy	+/- 2%	+/- 2%	+/- 2%
Current Regulation Repeatability	+/- 1%	+/- 1%	+/- 1%
Inverter Switching Frequency	1kHz	1kHz	1 kHz
Maximum Average Time	2 seconds	2 seconds	2 seconds
Water Flow Rate	5 liters per minute	7.5 liters per minute	10 liters per minute
Maximum inlet water temperature	25 degrees centigrade	25 degrees centigrade	25 degrees centigrade

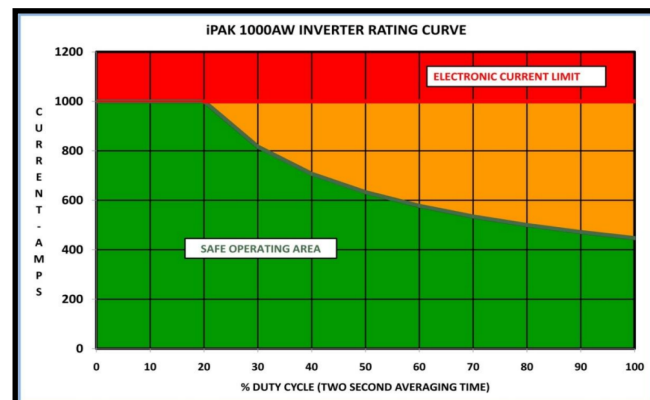
iPAK2 360AWBv2 INVERTER RATING CURVES



iPAK2 600AWBv2 INVERTER RATING CURVES



iPAK2 1000AWBv2 INVERTER RATING CURVES



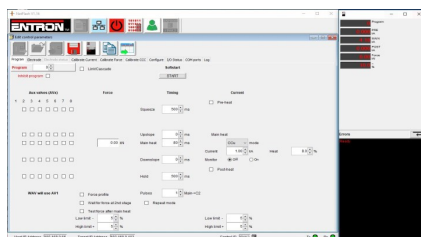
MULTIPLE PROGRAMMING OPTIONS

Feature and programming format common with EN7000 AC control

WSP3 Handheld Pendant for local programming



NETFLASH Software for Network Connection



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