iPAK is an integrated timer/controller/inverter system for MF resistance welding. The control section is housed in a cassette type casing, which simply mounts onto the power pack for ease of maintenance.

Millisecond precision, constant current and constant power operation, with comprehensive monitoring, assures weld quality.

Output current from 150A to 6000A. Standard supply voltage 380-480V AC, 3-Ph. iPAK-HV for supply voltage up to 580V AC, 3-Ph. iPAK-LV for supply voltage 190-290V AC, 3-Ph. An external switch can be used to connect with up to four transformers.

A powerful built-in logic sequencer program provides the iPAK with a flexible means of fully controlling small machines or tooling arrangements, without the need for additional hardware.

A plug-in option board provides a 10/100Base-T Ethernet connection. Units may then be networked to a PC running WS98-iPAK software for programming and monitoring purposes.

Fieldbus operation is supported via plug-in option boards.

With Ethernet, Ethernet/IP, DeviceNet and Profibus connectivity, iPAK integrates easily into any automation environment.
iPAK welding power source with integrated timer, in 150A / 360A / 600A / 1000A / 1500A sizes. These units are available as modules, or complete with MCCB etc. in cabinets. All may be used with an external switching unit to connect with up to four transformers.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Output</th>
<th>Max. Voltage</th>
<th>Cooling</th>
<th>Max. welding current (@ 50:1)</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>iPAK 150AA</td>
<td>150A</td>
<td>480</td>
<td>Air</td>
<td>7.5 kA</td>
<td>0A</td>
</tr>
<tr>
<td>iPAK 360AA</td>
<td>360 A</td>
<td>480</td>
<td>Air</td>
<td>18 kA</td>
<td>1A</td>
</tr>
<tr>
<td>iPAK 360AW</td>
<td>360 A</td>
<td>480</td>
<td>Air</td>
<td>18 kA</td>
<td>1W</td>
</tr>
<tr>
<td>iPAK-HV 360AW</td>
<td>360 A</td>
<td>580</td>
<td>Water</td>
<td>18 kA</td>
<td>2W</td>
</tr>
<tr>
<td>iPAK-LV 360AA</td>
<td>360 A</td>
<td>290</td>
<td>Water</td>
<td>18 kA</td>
<td>1W</td>
</tr>
<tr>
<td>iPAK 600AA</td>
<td>600 A</td>
<td>480</td>
<td>Air</td>
<td>30 kA</td>
<td>1A</td>
</tr>
<tr>
<td>iPAK 600AW</td>
<td>600 A</td>
<td>480</td>
<td>Water</td>
<td>30 kA</td>
<td>1W</td>
</tr>
<tr>
<td>iPAK-HV 600AW</td>
<td>600 A</td>
<td>580</td>
<td>Water</td>
<td>30 kA</td>
<td>2W</td>
</tr>
<tr>
<td>iPAK-LV 600AA</td>
<td>600 A</td>
<td>290</td>
<td>Air</td>
<td>30 kA</td>
<td>1A</td>
</tr>
<tr>
<td>iPAK-LV 600AW</td>
<td>600 A</td>
<td>290</td>
<td>Water</td>
<td>30 kA</td>
<td>1W</td>
</tr>
<tr>
<td>iPAK 1000AW</td>
<td>1000 A</td>
<td>480</td>
<td>Water</td>
<td>50 kA</td>
<td>2W</td>
</tr>
<tr>
<td>iPAK-LV 1000AW</td>
<td>1000 A</td>
<td>290</td>
<td>Water</td>
<td>50 kA</td>
<td>2W</td>
</tr>
<tr>
<td>iPAK LMI</td>
<td>1500 A</td>
<td>480</td>
<td>Water</td>
<td>75 kA</td>
<td>3W</td>
</tr>
</tbody>
</table>

Size 0A
330h x 260w x 210d mm

Size 1W/1A
460h x 260w x 260d mm
(plus 20d for water cooler or plus 100d for fan pack)

Size 2W
540h x 330w x 310d mm
(incl. water cooler)

Size 3W
890h x 300w x 265d mm
(incl. water cooler)

Typical complete iPAK control system with circuit-breaker in industrial enclosure.
The iPAK-LMI range uses multiple iPAK 1500A to provide outputs of 1500A, 3000A, 4500A and 6000A. Only one iPAK timer is required in each system. These systems come complete with MCCB etc. in floor standing cabinets.

**1500 Amp**

Use for typical welding currents of up to 75kA (@50:1)

- iPAK LMI/1500AW
  - 1900h x 600w x 400d mm

**3000 Amp**

Use for typical welding currents of up to 150kA (@50:1)

- iPAK LMI/3000AW
  - 1900h x 1000w x 400d mm

**6000 Amp**

Use for typical welding currents of up to 300kA (@50:1)

- iPAK LMI/6000AW
  - 1900h x 1600w x 400d mm

**4500 Amp**

Use for typical welding currents of up to 225kA (@50:1)

- iPAK LMI/4500AW
  - 1900h x 1600w x 400d mm
WS98-iPAK: Windows based software for programming, monitoring, diagnostics, data back-up etc. Can be used on a PC either locally (RS232/USB) or remotely via an Ethernet network.

WSP3: Programming pendant for programming, monitoring, diagnostics, data back-up etc. For direct connection to the iPAK RS232 port.

WS98-iPAK is software for PC that can be used locally (RS232/USB) or remotely via an Ethernet network.

Medium-frequency resistance welding power source, with integrated control, monitor and machine sequencer.

Tel: +44 (0)1384 455401

Entron Controls LLC. USA.  
Tel: 864-416-0190

Entron Controls De Mexico.  
Tel: +52 (55) 5819 5668

www.letoncontrols.com