WALKER MAGNETICS

MAGNET CONTROL EQUIPMENT

Over 100 Years of MAGNET CONTROL EXPERIENCE

Rectifier & Controller
Battery Back-up Systems
Variable Power

Walker Magnetics
20 Rockdale Street
Worcester, MA 01606
800-962-4638 (508)853-3232
FAX (508)852-8649

Walker National
811 Kinnear Road
Columbus, OH 43212
(614)481-0007 FAX (614)481-0040

Walker Magnetics National
901 Arvin Avenue
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(905)643-3338 FAX (905)643-6111

www.walkermagnet.com/mag
PCCU COMBINATION RECTIFIER AND MAGNET CONTROLLER

- Combines the AC to DC rectifier and magnet controller in one easy to mount enclosure
- AC line circuit breaker disconnect
- Three phase isolation transformer with plus or minus 10% taps
- Convection cooled silicon rectifier with fused protection
- Heavy duty DC mill type lift and drop contactors
- Magnet discharge circuit to dissipate stored inductive energy in magnets
- Reduced reverse voltage to quickly release the load
- Type 12 enclosure with lift off door and louvers for convection cooling standard, Type 3R available for outdoor use
- Heavy duty cab or pendant lift and drop switches

Options:
- a) AC input voltages
- b) 230 or 115 VDC output voltage
- c) Magnet selection feature to control individual magnets in multiple magnet handling systems
- d) AC latching control relays for use with radio control
- e) Reduced Initial Power feature to provide reduced initial magnet power with automatic transfer to full power
- f) Fanning/dribble feature to fan/dribble plate or scrap

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>POWER OUTPUT at 230 VDC</th>
<th>MAGNET CONTROL CAPACITY</th>
<th>DIMENSIONS (in.)</th>
<th>WEIGHT (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCCU-3</td>
<td>3 KW</td>
<td>13 AMPS</td>
<td>37 37 13</td>
<td>250</td>
</tr>
<tr>
<td>PCCU-5</td>
<td>5 KW</td>
<td>22 AMPS</td>
<td>37 37 13</td>
<td>320</td>
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<tr>
<td>PCCU-10</td>
<td>10 KW</td>
<td>44 AMPS</td>
<td>43 37 13</td>
<td>430</td>
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<tr>
<td>PCCU-15</td>
<td>15 KW</td>
<td>65 AMPS</td>
<td>43 48 13</td>
<td>475</td>
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<tr>
<td>PCCU-20</td>
<td>20 KW</td>
<td>87 AMPS</td>
<td>43 48 13</td>
<td>620</td>
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<tr>
<td>PCCU-30</td>
<td>30 KW</td>
<td>130 AMPS</td>
<td>43 60 13</td>
<td>875</td>
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<tr>
<td>PCCU-35</td>
<td>35 KW</td>
<td>150 AMPS</td>
<td>43 68 14</td>
<td>950</td>
</tr>
</tbody>
</table>

RC COMBINATION RECTIFIER AND MAGNET CONTROLLERS FOR USE WITH SMALLER MAGNETS

- 600 to 2,000 watt unit
- 115/60/1 VAC input standard
- AC to DC rectifier
- Magnet controller circuitry with magnet discharge circuit to dissipate stored inductive energy in magnets and reduced reverse voltage to quickly release the load
- Front mounted AC circuit breaker disconnect switch
- Type 12 enclosure with louvers for convection cooling
- Pendant lift-drop pushbutton station
- Optional fan feature to fan plates
- Optional battery back-up feature

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BATTERY BACK-UP SYSTEMS

- Instantaneous transfer to battery power in the event of an interruption in crane power
- 20 minute rated back-up time
- Solid state charging section with rapid charge and automatic transfer to float charge
- Display section with ammeter, voltmeter, magnet on battery indicator and 110 db warning horn
- Battery enclosure with racking and power disconnect switch
- Type 12 enclosures with louvers for convection cooling standard, Type 3R available for outdoor use
- Standby grade sealed gel cell absorbed electrolyte recombination lead acid batteries

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>DISPLAY</th>
<th>CHARGER CONTROL</th>
<th>BATTERY CABINET</th>
</tr>
</thead>
<tbody>
<tr>
<td>115V-32AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(1) 42&quot;h x 33&quot;w x 20&quot;d 600 lbs</td>
</tr>
<tr>
<td>115V-65AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(1) 42&quot;h x 33&quot;w x 16&quot;d 800 lbs</td>
</tr>
<tr>
<td>115V-95AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(1) 53&quot;h x 36&quot;w x 20&quot;d 1150 lbs</td>
</tr>
<tr>
<td>230V-32AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(1) 53&quot;h x 30&quot;w x 20&quot;d 1000 lbs</td>
</tr>
<tr>
<td>230V-65AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(1) 42&quot;h x 56&quot;w x 24&quot;d 1150 lbs</td>
</tr>
<tr>
<td>230V-95AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(1) 53&quot;h x 48&quot;w x 24&quot;d 1950 lbs</td>
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<tr>
<td>230V-130AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(2) 42&quot;h x 56&quot;w x 16&quot;d 1500 lbs</td>
</tr>
<tr>
<td>230V-190AMP</td>
<td>8&quot;h x 10&quot;w x 4&quot;d -9 lbs</td>
<td>36&quot;h x 30&quot;w x 10&quot;d -175 lbs</td>
<td>(2) 53&quot;h x 48&quot;w x 24&quot;d 1950 lbs</td>
</tr>
</tbody>
</table>

VARIABLE MAGNET POWER CONTROL

- Used with plate lifting systems to select magnet power level to lift single or multiple plates off of a stack
- Multiple operator selected magnet power levels
- Interlocked with the hoist to provide full magnet power for transport and carry after the load has cleared the stack
- Pendant or cab selector switch
- Available AC control relays for use with radio control systems
- Type 12 enclosure with louvers for convection cooling standard, Type 3R available for outdoor use

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RECTIFIER AND CONTROLLER

RECTIFIER SECTION

CONTROLLER SECTION

BATTERY BACK UP SYSTEM

FOR USE WITH:

PLATE HANDLING SYSTEMS
BUNDLE HANDLING SYSTEMS
SCRAP HANDLING SYSTEMS
COIL HANDLING SYSTEMS

AND OTHER MAGNETIC MATERIAL HANDLING SYSTEMS.

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