



**SPECIFICATIONS: LINEAR POWER SUPPLY IHN12-5.1**

**MADE IN THE U.S.A.**

| <p><b>VAC INPUT:</b></p> <ul style="list-style-type: none"> <li>• 100/120/220/240 VAC, +10%, -13%</li> <li>• TOLERANCE FOR 230 VAC IS +15%, -10%</li> <li>• FREQUENCY RANGE: 47-63HZ</li> </ul> | <p><b>VAC JUMPERING AND FUSING REQUIREMENTS:</b><br/>         SILKSCREENED ON CHASSIS FOR TRANSFORMER PRIMARY TERMINALS</p> <table border="1"> <thead> <tr> <th>For Use at</th> <th>100VAC</th> <th>120VAC</th> <th>220VAC</th> <th>230/240VAC</th> </tr> </thead> <tbody> <tr> <td>Jumper</td> <td>1&amp;3, 2&amp;4</td> <td>1&amp;3, 2&amp;4</td> <td>2&amp;3</td> <td>2&amp;3</td> </tr> <tr> <td>Apply AC</td> <td>1&amp;5</td> <td>1&amp;4</td> <td>1&amp;5</td> <td>1&amp;4</td> </tr> <tr> <td>Max Current / Fuse Rating</td> <td colspan="2">2A</td> <td colspan="2">1A</td> </tr> </tbody> </table> | For Use at | 100VAC | 120VAC     | 220VAC | 230/240VAC | Jumper | 1&3, 2&4 | 1&3, 2&4 | 2&3 | 2&3 | Apply AC | 1&5 | 1&4 | 1&5 | 1&4 | Max Current / Fuse Rating | 2A |  | 1A |  |
|---|--|------------|--------|------------|--------|------------|--------|----------|----------|-----|-----|----------|-----|-----|-----|-----|---------------------------|----|--|----|--|
| For Use at  | 100VAC   | 120VAC     | 220VAC | 230/240VAC |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| Jumper  | 1&3, 2&4   | 1&3, 2&4   | 2&3    | 2&3        |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| Apply AC  | 1&5  | 1&4        | 1&5    | 1&4        |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| Max Current / Fuse Rating   | 2A   |            | 1A     |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>VDC OUTPUT:</b></p> <ul style="list-style-type: none"> <li>• 12 VDC @ 5.1 AMP</li> </ul>  | <p><b>OVERVOLTAGE PROTECTION:</b></p> <ul style="list-style-type: none"> <li>• NOT PROVIDED. AVAILABLE BY ADDING AN IOVP12 MODULE</li> </ul> <p><b>SHORT CIRCUIT PROTECTION:</b></p> <ul style="list-style-type: none"> <li>• AUTOMATIC FOLDBACK</li> </ul> <p><b>OVERLOAD PROTECTION:</b></p> <ul style="list-style-type: none"> <li>• AUTOMATIC CURRENT LIMIT</li> </ul>   |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>LINE REGULATION:</b></p> <ul style="list-style-type: none"> <li>• +/- 0.05% FOR A 10% LINE CHANGE</li> </ul>  | <p><b>LOAD REGULATION:</b></p> <ul style="list-style-type: none"> <li>• +/- 0.05% FOR A 50% LOAD CHANGE<br/>(DERATE OUTPUT CURRENT 10% FOR 50 HZ OPERATION)</li> </ul>   |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>OUTPUT RIPPLE:</b> 5.0 mV PK-PK MAXIMUM</p>   | <p><b>TRANSIENT RESPONSE:</b> &lt; 50 µsec per 50% LOAD CHANGE</p>   |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>TEMPERATURE RATINGS:</b></p> <ul style="list-style-type: none"> <li>• OPERATING: 0°C TO 50°C FULL RATED<br/>DERATED LINEARLY TO 40% @ 70°C</li> <li>• STORAGE: -40°C TO +85°C</li> </ul>  | <p><b>TEMPERATURE COEFFICIENT:</b></p> <ul style="list-style-type: none"> <li>• TYPICAL: 0.01%/DEGREE C</li> <li>• MAXIMUM: 0.03%/DEGREE C</li> </ul>  |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>STABILITY:</b> +/- 0.3% FOR 24 HOURS AFTER 1 HOUR WARM-UP</p>   | <p><b>EFFICIENCY (TYPICAL):</b> 45%</p>  |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>VIBRATION:</b></p> <ul style="list-style-type: none"> <li>• MIL-STD-810G, METHOD 514.6, CATEGORY 1, PROCEDURE I</li> <li>• RANDOM VIBRATION 10Hz - 2KHz, 6.15 grams (3 axis)</li> </ul>   | <p><b>SHOCK:</b></p> <ul style="list-style-type: none"> <li>• MIL-STD-810G, METHOD 516.6, PROCEDURE III</li> <li>• OPERATING: 20 GPK</li> </ul>  |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |
| <p><b>REMOTE SENSING:</b> PROVIDED</p>  | <p><b>EMI/RFI:</b> INHERENT LOW CONDUCTED AND REDIATED NOISE LEVELS.</p> <ul style="list-style-type: none"> <li>• EMI: FCC CFR TITLE 47 PART 15 SUB-PART B</li> <li>• RFI: EN55022/CISPR22-LEVEL B COMPATIBILITY</li> </ul>  |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |    |  |    |  |

UL recognized for US and Canada – File#E133338/ CE Mark: LVD 92/59/EEC/ RoHs-5 Lead in Solder Exemption  
 US and Canadian (Bi-National) standards: ANSI/UL 60950-1/-21; CAN/CSA C22.2 #60950-1/-21; IEC 60950-1



## CASE SIZE: N

