



**CERTIFICATE**  
**No. B 10 03 51485 709**

**Model(s):** **IVS1-abbc-abbc-abbc-abbc-abbc-abbc-abbc-abbc-XX**  
 (see page 3 for details of the model configuration)

**Parameters:**

Rated Input:	AC Input: 100-120V/200-240V, 50/60Hz, 20A or DC Input: 90Vmin-170Vmax/ 254Vmin-300Vmax, 20A
Rated DC Output:	see page 3 for details
Construction :	Built-in
Protection Class:	I
Degree of Protection against Ingress of Dust and Liquid:	IPX0

**Remarks:**

1. When installing the equipment, all requirements of the mentioned standard must be fulfilled.
2. The clearance distance was evaluated for operation altitude up to 10,000 feet (3048 meters) above sea level.
3. Refer to installation instructions for details of loading condition and operating ambient temperature.
4. The output contains energy hazard (>240VA), the accessibility of output shall be checked in the end system after installed.
5. This power supply has been tested according to EN 60950-1/A11:2009. In addition, it has been evaluated according to clauses 20, 42, 57.6, 57.9 & 57.10 of EN 60601-1/A2:1995 with the following conditions:
  - The power supply is intended to be built into an end use equipment.
  - The output was not evaluated as patient connected circuits.
  - Compliance with the requirements for EMC shall be evaluated for the end use product.
  - The product has been investigated only as a component part for use in equipment where the suitability of the combination is subject to end product investigation.
  - The power supply is designed to be protectively earthed. Earthing connection and continuity test shall be checked in end product.
  - The power supply must be installed in accordance with the instruction manual.
  - The leakage current test shall be checked in end product.

**Tested according to:** EN 60950-1/A11:2009  
 EN 60601-1/A2:1995 (partially)

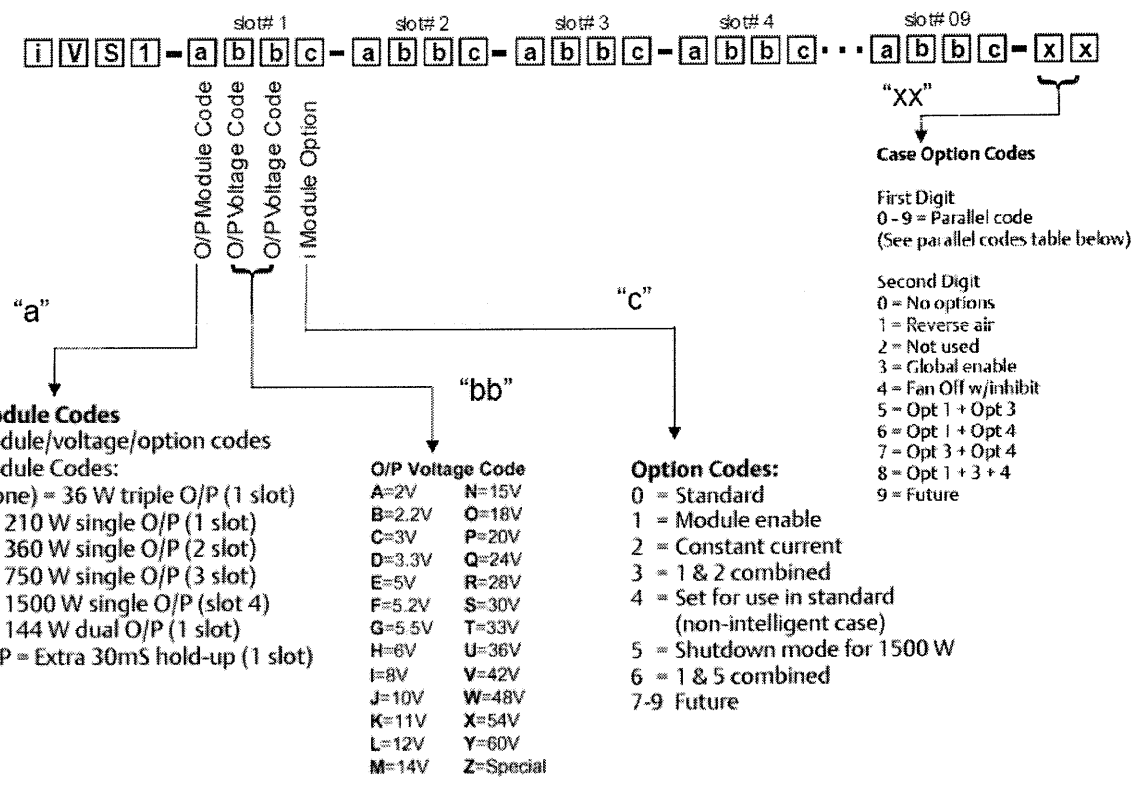
**Production Facility(ies):** 28532, 62777, 49489, 64622, 64624, 68625, 72064, 72063, 72172



Product Service

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**Sample Configuration:**

<p><b>Case Size</b></p> <p><b>IVSX</b></p> <p><b>Case Size (mm)</b>  <b>1-Phase Input</b>          1 = 5" x 5" x 11"; 1500 W - 3210 W, 9 Slots (127 x 127 x 279.4)          3 = 5" x 8" x 11"; 1800 W - 4500 W, 14 Slots (127 x 203.2 x 279.4)  <b>3-Phase Input</b>          6 = 5" x 5" x 11"; 3120 W, 9 Slots (127 x 127 x 279.4)          8 = 5" x 8" x 11"; 4920 W, 14 Slots (127 x 203.2 x 279.4)          8H = 5" x 8" x 11"; 4920 W, 14 Slots (127 x 203.2 x 279.4)</p>	<p><b>Module/Voltage/Option Codes</b>          First - Module Code          Second - Voltage Code          Third - Option Code</p> <p><b>5L1 - 1Q1-2E0 -4LL0 -</b></p> <p><b>Module Codes</b>          Module/voltage/option codes          Module Codes:          (None) = 36 W triple O/P (1 slot)          1 = 210 W single O/P (1 slot)          2 = 360 W single O/P (2 slot)          3 = 750 W single O/P (3 slot)          5 = 1500 W single O/P (slot 4)          4 = 144 W dual O/P (1 slot)          HUP = Extra 30mS hold-up (1 slot)</p> <p><b>Voltage Codes:</b>          See Output Module Voltage/Current table above</p> <p><b>Option Codes:</b>          0 = Standard          1 = Module enable          2 = Constant current          3 = 1 &amp; 2 combined          4 = Set for use in standard (non-intelligent case)          5 = Shutdown mode for 1500 W          6 = 1 &amp; 5 combined          7-9 Future</p>	<p><b>Case Option Codes</b></p> <p><b>00</b></p> <p><b>Case Option Codes</b>          First Digit          0 - 9 = Parallel code          (See parallel codes table below)</p> <p><b>Second Digit</b>          0 = No options          1 = Reverse air          2 = Not used          3 = Global enable          4 = Fan Off w/inhibit          5 = Opt 1 + Opt 3          6 = Opt 1 + Opt 4          7 = Opt 3 + Opt 4          8 = Opt 1 + 3 + 4          9 = Future</p>	<p><b>Software Code</b></p> <p><b>A</b></p> <p>Software code used for configuration change. "A" is standard</p>	<p><b>Hardware Code</b></p> <p><b>###</b></p> <p>Factory assembled for hardware or firmware mods.</p>
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Product Service

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No. B 10 03 51485 709

**Holder of Certificate: Astec International Limited  
- Philippine Branch**

3rd & 4th Floor, Techno Plaza One Bldg  
#18 Orchard Road  
Eastwood City Cyberpark, Bagumbayan  
1110 Quezon City  
PHILIPPINES

**Certification Mark:**



**Product:**

**Switch mode power supplies  
(Switch Mode Power Supply for building-in)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:**

68230808303



**Date,** 2010-04-13

(Jimmy Huang)

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