



**Astec Standard Power Europe**  
Astec House, Waterfront Business  
Park, Merry Hill, Dudley  
DY5 1LX, UK  
Tel: 01384 842211  
Fax: 01384 843355

**Astec Germany GmbH**  
Robert-Heil-Str. 8  
36251 Bad Hersfeld  
Tel: 06621-5057-0  
Fax: 06621-5057-20

**Astec France**  
Les Arcades  
424, la Closerie Mont d'Est  
93194 Noisy Le Grand  
Tel: (1) 43 05 86 80  
Fax: (1) 43 04 60 33

## Application Note Number ....104.....

**Product :** MVP series  
**Application Overview:** Production final tests

Originator: G. Fry

Location: Merry Hill

Date: 21/7/99

### Description

The MVP series of power supplies undergoes 100% final testing after manufacturing to ensure 100% compliance with its specifications. The parameters listed below are included on the test results packed with each individual power supplies. This is the customers' assurance that the product meets its published specification.

#### Test Parameters

- 1) Input current
- 2) Inrush current
- 3) Output voltage setting
- 4) Power factor
- 5) Margin high
- 6) Margin low
- 7) Overcurrent protection trip point
- 8) Short circuit current
- 9) Load regulation
- 10) Output Ripple and Noise - Peak to Peak
- 11) Output Ripple and Noise – RMS
- 12) Overvoltage protection trip point
- 13) Output inhibit function
- 14) 5V housekeeping output voltage
- 15) Global inhibit function logic 0
- 16) Global inhibit function logic 1
- 17) Global DC OK function Output On
- 18) Global DC OK function Output Inhibited
- 19) Global DC OK LED On
- 20) Single wire parallel signal voltage
- 21) Holdover storage time
- 22) Unit turn on time
- 23) AC OK warning time

In addition to the electrical tests the following physical parameters are inspected

- 1) Correct model label, part number, serial number and Safety logos
- 2) External hardware, Barrier strip and cover, cover and chassis scratches and marks,
- 3) Burn in
- 4) Hipot
- 5) Pot alignment
- 6) Fan rotation
- 7) External connectors
- 8) Overall appearance

The test results include the following statement:

"This test record is verification that the identified product has been tested and determined to meet the Acceptance Test Specifications. You are encouraged to retain this record in your files."