



MVB550P (550W 400V)

High voltage power supply



Specification Summary

Input Specifications

Input Voltage	The input voltage range is 160VAC to 240VAC
Input Voltage Frequency	40Hz to 60Hz.

Output Specifications

Output 1	
Output Voltage (DC)	400V
Output Voltage Tolerance	396V to 404V over the specified load and temperature range.
Output Voltage Regulation	Less than +/-0.5% over the specified load and temperature range.
Load Regulation	Less than +/-1% over the specified load and temperature range.
Output Ripple Voltage	200mV maximum over the specified load and temperature range.
Output Current	0 to 1.375A
Max Specified Output Power	550W
Output 2	
Output Voltage (DC)	15V
Output Voltage Tolerance	14.8V to 15.15V over the specified load and temperature range.
Output Voltage Regulation	Less than +/-0.5% over the specified load and temperature range.
Load Regulation	Less than +/-1% over the specified load and temperature range.
Output Current	0 to 5A
Max Specified Output Power	75W

Protection

Short-Circuit Protection	In the event of an output short circuit, the current at each output will be limited as follows. When operating at the nominal input voltage and over the specified temperature range.
Output 1	Less than 3A
Output 2	Less than 9A
500VDC insulation test for the MVB550P.	
Input to Output	>200MΩ
Output to Case	>200MΩ
Input to Case	>200MΩ

Operating Conditions

The following environmental limits should be observed when using the power supply.

Ambient temperature	0°C to 40°C
Relative humidity	Less than 90% non condensing

Reliability and Quality Control

Power supply tests - Each power supply has been tested with no load and a short circuit load. They have also been soak tested for no less than 48 hours at full load.

Reliability and Quality Control

Length	300mm
Width	250mm
Height	80mm
Weight	kg

Safety & Copyright

This power supply contains hazardous voltages and stored energy. Contact with the output may result in fatal injury. It should only be used and maintained by trained personnel.

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