



America

CERTIFICATE

No. B 12 08 65969 094

Holder of Certificate: **XP Power Limited**



401 Commonwealth Drive,
Haw Par Technocentre, Lobby B, #02-02 149598
SINGAPORE

**Production
Facility(ies):**

72220

Certification Mark:



Product:

**Power supply
(Power Supply)**

Model(s):

ECP40USXX
(where XX can be 05-48 to indicate different output
voltages, see attachment for approved models)

Parameters:

Rated Input Voltage: 100-240 V AC,
Rated Frequency: 50/60 Hz
Rated Input Current: 1.0 A
Protection Class: Class I at end use
Temperature, Ambient: 50°C for maximum output power,
70°C for half maximum output power.
See attachment for output ratings and
conditions of acceptability

Tested according to: EN 60950-1/A12:2011

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.:

SI1208533-000

Date, 2012-08-23

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**ATTACHMENT TO CERTIFICATE NO. B 12 08 57396 094
FOR XP POWER LLC****AC / DC switching power supply****Approved models and Rated Outputs:**

Model Number	OUTPUT RATING	
	Voltage (VDC)	Maximum Current (A)
ECP40US05	5.0	6.0
ECP40US12	12.0	3.34
ECP40US15	15.0	2.67
ECP40US18	18.0	2.22
ECP40US24	24.0	1.67
ECP40US30	30.0	1.34
ECP40US48	48.0	0.84

Conditions of Acceptability:

When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met.

The models require:

- A suitable electrical and fire enclosure must be provided in the end use equipment.
- Proper bonding to the end-product main protective earthing terminal is required at end product, sufficient clearance and creepage distance shall be provided between the primary circuit and accessible metal parts.
- Ground bond test, Touch current test and dielectric Strength test need to be considered at end use equipment.



America

CERTIFICATE

No. B 12 10 57396 181

Holder of Certificate: **XP Power LLC.**



1241 East Dyer Road, Suite 150
Santa Ana CA 92705
USA

Production
Facility(ies):

72220

Certification Mark:



Product:

**Power supply
(Power Supply)**

Model(s):

**ECP40UD, ECP40UT Series
(see attachment for approved models)**

Parameters:

Rated Input Voltage: 100-240 V AC,
Rated Input Current: 1-0.5 A
Rated input frequency: 50/60 Hz
Rated Output Ratings: See attachment for details
Protection Class: Class I at end use
Temperature, Ambient: 50°C with maximum output power
70°C with half maximum output power.
Elevation for use 0-3048 m above sea level
See attachment for additional model information and
Conditions of Acceptability

Tested according to: EN 60950-1/A12:2011
EN 60601-1:2006

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.: SI1209368104-000

Date, 2012-10-30
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America

ATTACHMENT TO CERTIFICATE NO. B 12 10 57396 181 FOR XP POWER LLC

POWER SUPPLY

The subject models are component power supplies intended for use in IT equipment and medical equipment. They are open frame power supplies intended for building-in Class I end product.

Approved models and rated output:				
Model Number	DC Output (V/A)			Maximum Power (W)
	Output 1	Output 2	Output 3	
ECP40UD01	5Vdc/5A	12Vdc/2A	--	40 W
ECP40UD02	5Vdc/5A	15Vdc/1.5A	--	40 W
ECP40UD03	5Vdc/5A	24Vdc/1A	--	40 W
ECP40UT01	5Vdc/5A	12Vdc/2A	-12Vdc/0.5A	40 W
ECP40UT02	5Vdc/5A	15Vdc/1.5A	-15Vdc/0.5A	40 W
ECP40UT03	5Vdc/5A	24Vdc/1A	12Vdc/0.5A	40 W
ECP40UT04	5Vdc/5A	24Vdc/1A	-12Vdc/0.5A	40 W

Conditions of Acceptability for EN 60950-1:

When installing the equipment, all requirements of the standards and the manufacturer's specifications shall be met.

The models require:

- Proper bonding to the end-product main protective earthing terminal is required when the power supply is installed in Class I end product.
- The power supply units provide double pole fusing, proper warning shall be provided at end product use.
- Touch current test shall be conducted in the end-product evaluation.
- Ground continuity test shall be conducted in the end-product evaluation.
- A suitable fire enclosure must be provided in the end use equipment.

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ATTACHMENT TO CERTIFICATE NO. B 12 10 57396 181 FOR XP POWER LLC

Conditions of Acceptability for EN 60601-1:

When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met.

The models require:

- The power supply was not investigated to the following: Electromagnetic Compatibility (EN 60601-1-2) and for use in the presence of a flammable anesthetic mixture with air, oxygen, or nitrous oxide.
- Consideration should be given to measuring the temperature when the power supply is installed in the end-use equipment.
- Leakage current test should be conducted in the end product application.
- The power supply was evaluated as Class I continuous operation, ordinary equipment, grounding continuity test should be conducted in the end product.
- The output circuits have not been evaluated for direct patient connection.
- A suitable fire enclosure must be provided in the end use equipment.

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