



Product Service

CERTIFICATE

No. B 057396 0548 Rev. 02

Holder of Certificate: **XP Power LLC.**
340 Commerce, Suite 100
Irvine CA 92602
USA

Certification Mark:



Product: **Power supply**

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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 095-72143775O-100

Valid until: 2026-01-07

Date, 2024-07-08

(Kim Hock Teo)

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Model(s): DCM6048S12, DCM10048S12

Brand Name: XP

Parameters:

Rated Input Voltage: 42-63 VDC or 40-65 VDC

Rated Input Current: 2 A (DCM6048S12)

3.2 A (DCM10048S12)

Rated Output Ratings: 12 VDC / 5 A, 60 W max (DCM6048S12)

12 VDC / 8.3 A, 100 W max (DCM10048S12)

Protection Class: End product determination

Temperature ratings: Model DCM6048S12:

50°C at 100% rated output (60W) with convection cooling

60°C at 100% rated output (60W) with 5CFM forced air cooling

Model DCM10048S12:

50°C at 90% rated output (90W) with convection cooling

60°C at 100% rated output (100W) with 5CFM forced air cooling

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.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- The following output circuits are at ES1 energy levels: All Outputs
- The following output circuits are at PS3 energy levels: All Outputs
- A suitable mains disconnection device shall be provided at end product.
- Proper bonding to the end-product main protective earthing terminal is required when the power supply is installed in the Class I end product.
- When installed in end product, the clearance and creepage distance between the hazardous voltage circuitry and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test (for Class I end product) shall be conducted at end use.
- Safeguards against capacitor discharge after disconnection of a connector shall be evaluated in the end-product.

Tested according to: EN 62368-1:2014/A11:2017