

CERTIFICATE

No. U8V 11 10 34962 130



America

Holder of Certificate: SynQor Inc.
 155 Swanson Road
 Boxborough, MA 01719-1316
 USA

Certification Mark:



Product: Medical power supplies
 DC to DC Converters

The product was voluntarily tested according to the relevant safety requirements and mentioned properties. It can be marked with the certification mark shown above. The certification mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles that described by ISO/IEC Guide 67, Conformity assessment - Fundamentals of product certification, System 3. See also notes overleaf.

Test report no.: DM1106639

Date, 2011-10-24

Allyson Taylor

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Model(s): CFQor Series
See attachment for Models and License Conditions

Parameters:

Rated Input Voltage:	See attachment
Rated Frequency:	N/A
Rated Input Current:	See attachment
Protection Class:	Class II
Degree of Protection:	Suitable for Type CF applications

Tested according to:

- UL 60601-1:2003
- CAN/CSA-C22.2 No. 60601-1-M90
- EN 60601-1/A2:1995
- IEC 60601-1/A2:1995
- CAN/CSA-C22.2 No. 60601-1-08
- ANSI/AAMI ES60601-1:2005
- EN 60601-1:2006
- IEC 60601-1:2005
- See License Conditions

Production Facility(ies): 34962



America

Facility(ies): SynQor Inc
 155 Swanson Road
 Boxborough
 MA 01719
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Models.:

Model Number	Input voltage (Vdc)	Output voltage (Vdc)	Input current (A)	Output current (A)	Output power (W)
CF12050QTx20	9-22	5	13	20	100
CF12120QTx08	9-22	12	12	8	96
CF12150QTx07	9-22	15	13	7	105
CF12240QTx04	9-22	24	12	4	96
CF24050QTx24	18-36	5	7.5	24	120
CF24120QTx10	18-36	12	7.3	10	120
CF24150QTx08	18-36	15	7.3	8	120
CF24240QTx05	18-36	24	7.4	5	120
CF48050QTx25	35-75	5	4.1	25	125
CF48120QTx12	35-75	12	4.6	12	144
CF48150QTx10	35-75	15	4.9	10	150
CF48240QTx06	35-75	24	4.6	6	144



America

The part numbering system for a typical part, CF12050QTC20NRS-G is as follows:

CF	Product Family
12	Input Voltage Range
050	Output Voltage
Q	Package Size > Quarterbrick
T	Performance Level > Tera
C	Packaging Features > C = Encased. This could also be a V for flanged heatsink, etc.
20	Maximum Output Current
NRS	Non Safety related options such as enable polarity, pin length, etc.
-G	ROHS Compliance, again non safety.

License conditions.:

1. The DC To DC converter is intended to provide Double or Reinforced insulation between input and output.
2. Compliance with EMC requirements needs to be evaluated for the end use product.
3. The DC To DC converter was evaluated in an open ambient environment. Compliance with the requirements of clauses 42 and 52 must be evaluated when installed in the end use equipment.
4. This DC To DC converter is investigated only for use as a component in equipment where the suitability of the combination is subject to end product investigation.
5. The suitability of the enclosure is subject to end product investigation
6. The DC To DC converter must be installed in accordance with the installation instructions 005-0005500 dated 01/07/2010, Revision 1 and data sheet
7. The abnormal testing was performed with the following external fuse value for Quarter Brick:
30 A AGC (fast) for 9 Vdc to 22 Vdc input voltage units.
20 A AGC (fast) for 18 Vdc to 36 Vdc input voltage units.
15 A AGC (Fast) for 35 Vdc to 75 Vdc input voltage units.
If higher value fuses are used additional testing may be required.
8. The dielectric testing was performed with white background and black writing labeling. If the label is changed additional testing may be required.

