

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE**CERTIFICAT D'ESSAI OC**

Product
Produit

Medical grade power supply unit

Name and address of the applicant
Nom et adresse du demandeur

EXCELSYS TECHNOLOGIES LTD
UNIT 27
EASTGATE BUSINESS PARK
LITTLE ISLAND CO CORK
IRELAND

Name and address of the manufacturer
Nom et adresse du fabricant

EXCELSYS TECHNOLOGIES LTD
UNIT 27
EASTGATE BUSINESS PARK
LITTLE ISLAND CO CORK
IRELAND

Name and address of the factory
Nom et adresse de l'usine

DONGGUAN SUPERIOR MANUFACTURING TECHNOLOGY
COMPANY LTD.,
NO 2, 20F HONG YE ROAD N,
TANGXIA TOWN, DONGGUAN 823710
CHINA

Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{eme} page

Additional Information on page 4
See Page 4-Page 6

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Trademark (if any)
Marque de fabrique (si elle existe)

Excelsys



Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

See Page 2-Page 4

Model / Type Ref.
Ref. De type

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{eme} page

Additional Information on page 6

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60601-1(ed.2), IEC 60601-1(ed.2);am1,
IEC 60601-1(ed.2);am2

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

E230761-A1-CB-3 issued on 2014-01-09

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pflugsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2014-01-09
Original Issue Date:2013-07-17

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-33818-A2-M1-UL

Model Details:

Xgen Series Part Numbering System Xyz abcdef g k h j for the 6Slot Xgen powerPac units populated with powerMod Modules, and = Xyz abcd g kh j for the 4Slot Xgen powerPac units populated with powerMod Modules, where:

"X" = all Xgen powerPac part numbers start with 'X'

"y" = V, Z or W for 6 slot units

"y" = M, R or N for 4 slot units

"z" = A, B, C, D or E

"a" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K or L

"b" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K or L

"c" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K or L

"d" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K or L

"e" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K or L

"f" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K or L

"g" = '-', P, C, R or S

'-' = Standard model (nominal voltage)

P = Specific voltage adjustment settings

C = Conformal coating

R = Ruggedized for vibration

S = C + R

"k" = Any alphanumeric character describing customer internal wiring lengths. Where no internal wiring exists and standard IEC appliance inlet is used k=0.

"h" = 0, 1, 2, 3, 4, 5, 6 or 7

0 = Standard model

1 = Thermal signals

2 = Reverse fan

3 = 1 + 2

4 = Low leakage

5 = 1 + 4

6 = 2 + 4

7 = 1 + 2 + 4

"j" = Any alphanumeric character. Optional. Logistics use only.

Xgen powerPac Part Numbering System Xyz g k h j for the 6Slot and 4Slot Xgen powerPacs, where:

"X" = all Xgen powerPac part numbers start with 'X'

"y" = V, Z or W for 6 slot units

"y" = M, R or N for 4 slot units

"z" = A, B, C, D or E

"g" = '-', P, C, R or S

'-' = Standard model (nominal voltage)

P = Specific voltage adjustment settings

C = Conformal coating

R = Ruggedized for vibration

S = C + R

"k" = Any alphanumeric character describing customer internal wiring lengths. Where no internal wiring exists and standard IEC appliance inlet is used k=0.

"h" = 0, 1, 2, 3, 4, 5, 6 or 7

Additional information (if necessary)

Information complémentaire (si nécessaire)



UL (US), 333 Pflingsten Rd IL 60062, Northbrook, USA

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UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

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0 = Standard model
 1 = Thermal signals
 2 = Reverse fan
 3 = 1 + 2
 4 = Low leakage
 5 = 1 + 4
 6 = 2 + 4
 7 = 1 + 2 + 4
 "j" = Any alphanumeric character. Optional. Logistics use only.

Xgen powerPac Models:

XVA, XVB, XVC, XVD, XVE, XZA, XZB, XZC, XWA, XWB, XWC, XMA, XMB, XMC, XMD, XRA, XRB, XRC, XNA, XNB.

Ultimod Series Part Numbering System = UX6 abcdef g k h j for the 6Slot powerPac units populated with powerMod Modules, and = UX4 abcd g k h j for the 4Slot powerPac units populated with powerMod Modules, where:

"UX" = all powerPac part numbers start with 'UX'

"a" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K, or L

"b" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K, or L

"c" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K, or L

"d" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K, or L

"e" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K, or L

"f" = 0, 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, K, or L

"g" = '-', P, C, R or S

'-' = Standard model (nominal voltage)

P = Specific voltage adjustment settings

C = Conformal coating

R = Ruggedized for vibration

S = C + R

"k" = Any alphanumeric character describing customer internal wiring lengths. Where no internal wiring exists and standard IEC appliance inlet is used k=0.

"h" = 0, 2, 4, or 6

0 = Standard model

2 = Reverse fan

4 = Low leakage

6 = 2 + 4

"j" = Any alphanumeric character. Optional. Logistics use only.

UltiMod powerPac Part Numbering System

Part Number = UXz gkhj

UX = all UltiMod powerPac part numbers start with 'UX'

z = 6,4

6 = 6 Slot powerPac

4 = 4 Slot powerPac

g = '-', P, C, R or S '-' = Standard model (nominal voltage)

P = Specific voltage adjustment settings

C = Conformal coating

R = Ruggedized for vibration

S = C + R

k = Any alphanumeric character describing customer internal wiring lengths. Where no internal wiring exists and standard IEC appliance inlet is used k=0.

Additional information (if necessary)

Information complémentaire (si nécessaire)



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UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

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h = 0, 2, 4 or 6 0 = Standard model
2 = Reverse fan
4 = Low leakage
6 = 2 + 4
j = Any alphanumeric character. Optional. Logistics use only.

UltiMod powerPac Models:
UX4 or UX6

Xgen & UltiMod powerMod Part Numbering System Xga-bcd
"Xg" = all powerMod part numbers start with 'Xg'
"a" = 1, 2, 3, 4, 5, 7, 8, A, B, C, D, E, F, G, H, J, K, or L
" " = Not Used or '-' = Standard model (see note below)
P = Specific output adjustment settings
C = Conformal coating
R = Ruggedized for vibration
S = C + R
"bcd" = Any three alphanumeric characters. Optional. Logistics use only.
Note: Use '-' to designate standard model when bcd is used. e.g. Xg4-X03
 '-' Not Used when bcd is not Used. e.g. Xg8

Xgen & UltiMod powerMod Models:
Xg1, Xg2, Xg3, Xg4, Xg5, Xg6 (not used), Xg7, Xg8, XgA, XgB, XgC, XgD, XgE, XgF, XgG, XgH, XgJ, XgK, XgL.

Factories:
DONGGUAN TEAMWISE ELECTRONIC FACTORY,
1 AO BEI DAO XIANG SIN XI LU,
FENGGAN, YAN TIAN, DONGGUAN, GUANGDONG, 523701
CHINA

SHENZHEN WATT ELECTRONICS CO LTD
5 TUNNEL 1, TANGFANG GARDEN 35 DISTRICT,
BAOAN, SHENZHEN, GUANGDONG, 518100
CHINA

Ratings:
Xgen Power Supply Series:
Nominal Input: 100-240Vac, 60-50 Hz, 10A (11.5A North America)
See Enclosure 7-06 of test report, for detailed Chassis ratings

Xgen powerPac Modules:
XMA Input 100-240Vac, 200W Medical 4.5A Four Slot
XMB Input 100-240Vac, 400W Medical 5.5A Four Slot
XMC Input 100-240Vac, 600W Medical 7.5A Four Slot
XMD Input 100-240Vac, 750W Medical 7.5A Four Slot
XRA Input 100-240Vac, 200W Lo-noise Medical 4.5A Four Slot
XRB Input 100-240Vac, 400W Lo-noise Medical 5.5A Four Slot
XRC Input 100-240Vac, 600W Lo-noise Medical 7.5A Four Slot
XNA Input 100-240 Vac, 200W Ultra Quiet Medical 4.5A Four Slot
XNB Input 100-240 Vac, 400W Ultra Quiet Medical 5.5A Four Slot

Additional information (if necessary) Information complémentaire (si nécessaire)



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XVA Input 100-240Vac, 400W Medical 7.5A Six Slot
 XVB Input 100-240Vac, 700W Medical 9.5A Six Slot
 XVC Input 100-240Vac, 1000W Medical 10A (11.5A North America) Six Slot
 XVD Input 100-240Vac, 1200W Medical 10A (11.5A North America) Six Slot
 XVE Input 100-240Vac, 1340W Medical 10A (14A North America) Six Slot
 XZA Input 100-240Vac, 400W Lo-noise Medical 7.5A Six Slot
 XZB Input 100-240Vac, 900W Lo-noise Medical 11.5A Six Slot
 XZC Input 100-240Vac, 1200W Lo-noise Medical 10A (11.5A North America) Six Slot
 XWA Input 100-240Vac, 400W Ultra Quiet Medical 7.5A Six Slot
 XWB Input 100-240Vac, 600W Ultra Quiet Medical 9.5A Six Slot
 XWC Input 100-240Vac, 800W Ultra Quiet Medical 9.5A Six Slot

See Enclosure 7-07 of test report, for detailed powerPac ratings.

Xgen powerMod Modules:

Xg1 Output 1.5 - 3.6Vdc 50A max 125/100W max
 Xg2 Output 3.2 - 6.0Vdc 40A max 200/150W max
 Xg3 Output 6.0 - 15.0Vdc 20A max 240/180W max
 Xg4 Output 12.0 - 30.0Vdc 10A max 240/180W max
 Xg5 Output 28.0 - 58.0Vdc 6A max 288/215W max
 Xg6 Not used.
 Xg7 Output 5.0 - 28.0Vdc 5A max 120W max
 Xg8 Output (Dual) 5/5 - 28/28Vdc 3/3A max 72/72W max
 XgA Output 10.8 - 15.6Vdc, 12.5A max, 150W max
 XgB Output 19.2 - 26.4Vdc, 8.33A max, 200W
 XgC Output 28.8 - 39.6Vdc, 5.56A max, 200W max
 XgD Output 38.4 - 50.4Vdc, 4.17A max, 200W max
 XgE Output 5.0 - 28.0Vdc, 5A max, 120W max
 XgF Output (Dual) 5/5 - 28/28Vdc, 3/3A max, 72/72W max
 XgG Output 1.5 - 3.6Vdc, 40A max, 100W max
 XgH Output 3.2 - 6.0Vdc, 36A max, 180W max
 XgJ Output 6.0 - 15.0Vdc, 18.3A max, 220W max
 XgK Output 12.0 - 30.0Vdc, 9.16A max, 220W max
 XgL Output 28.0 - 58.0Vdc, 5.0A max, 240W max

See Enclosure 7-08 of test report, for detailed powerMod ratings for Xg1-Xg8.

UltiMod Power Supply Series:

Nominal Input: 100-240Vac, 60-50 Hz, 10A (11.5A North America)

See Enclosure 7-06 of test report, for detailed Chassis ratings

UltiMod powerPac Modules:

UX4 Input 100-240Vac, 600W Medical 7.5A Four Slot
 UX6 Input 100-240Vac, 1200W Medical 10A (11.5A North America) Six Slot
 See Enclosure 7-07 of test report, for detailed powerPac ratings.

UltiMod powerMod Modules:

Xg1 Output 1.5 - 3.6Vdc 50A max 125/100W max
 Xg2 Output 3.2 - 6.0Vdc 40A max 200/150W max
 Xg3 Output 6.0 - 15.0Vdc 20A max 240/180W max
 Xg4 Output 12.0 - 30.0Vdc 10A max 240/180W max
 Xg5 Output 28.0 - 58.0Vdc 6A max 288/215W max
 Xg6 Not used.
 Xg7 Output 5.0 - 28.0Vdc 5A max 120W max
 Xg8 Output (Dual) 5/5 - 28/28Vdc 3/3A max 72/72W max

Additional information (if necessary)

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- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

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Ref. Certif. No.

DK-33818-A2-M1-UL

XgA Output 10.8 - 15.6Vdc, 12.5A max, 150W max
 XgB Output 19.2 - 26.4Vdc, 8.33A max, 200W
 XgC Output 28.8 - 39.6Vdc, 5.56A max, 200W max
 XgD Output 38.4 - 50.4Vdc, 4.17A max, 200W max
 XgE Output 5.0-28.0Vdc, 5A max, 120W max
 XgF Output (Dual) 5/5 - 28/28 Vdc, 3/3A max, 72/72W max
 XgG Output 1.5 - 3.6Vdc 40A max 100W max
 XgH Output 3.2 - 6.0Vdc 36A max 180W max
 XgJ Output 6.0 - 15.0Vdc 18.3A max 220W max
 XgK Output 12.0 - 30.0Vdc 9.16A max 220W max
 XgL Output 28.0 - 58.0Vdc 5.0A max 240W max

Additional Information:

Additionally evaluated to EN 60601-1: 1990 / A1:1993 / A2:1995;
 National Differences specified in the CB Test Report.

The original report was modified to include the following changes/additions:
 These typographical changes were made only to the list of models and ratings and to the LOCC.

Additional information (if necessary)
Information complémentaire (si nécessaire)



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