

ASTA Certificate

of Selected Verification Tests

Laboratory Ref. No: 3948.2130644.0675

APPARATUS: 5000 A / 415 V / 1000 V / 8 kV ($I_{nA}/U_n/U_{imp}$), non-extendable, force ventilated 50 Hz power switchgear and controlgear assembly consisting of: a three-phase main busbar system, a neutral and a protective busbar, one incoming circuit with ACB, two outgoing circuits with ACBs and three outgoing circuits with MCCBs

DESIGNATION: UMS Modular 1

MANUFACTURER: United Modular System Co., Ltd.
99/99 Moo 2, Homkred, Sampran, Nakornpathom, 73110, Thailand

TESTED BY: Institut „Prüffeld für elektrische Hochleistungstechnik“ GmbH
Landsberger Allee 378A, 12681 Berlin, Germany

RST Rail System Testing GmbH
Environmental Lab, 16761 Hennigsdorf, Germany

DATE(S) OF TESTS: 06 November 2013 to 30 June 2014

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

IEC 61439-2: Edition 2.0 2011-08

Verifications with reference to the tests listed in Annex D of IEC 61439-1:

- | | |
|---------------------------------------|---|
| 1: strength of material and parts | 9: dielectric properties |
| 2: degree of protection of enclosures | 10: temperature-rise limits |
| 3: clearances | 12: electromagnetic compatibility (EMC) |
| 4: creepage distances | 13: mechanical operation |

Refer to pages 1 and 2 for ratings

The results are shown in the record of Proving Tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s). This certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

This Certificate comprises this front sheet, 2 ratings pages plus 43 other pages as detailed on page 4.

Only integral reproductions of this whole certificate or reproductions of this page accompanied by any ratings pages are permitted.

Issued by Intertek, Hilton House, Corporation Street, Rugby, CV21 2DN England.
Contact: asta@intertek.com Tel: +44 (0)1788 578435



[Signature]
21st August 2014

ASTA Observer
J. Haring

Certification Manager

Date

ASTA Certificate

of Selected Verification Tests

Laboratory Ref. No: 3948.2130644.0772

APPARATUS: 5000 A / 415 V / 690 V / 8 kV ($I_{nV}/U_n/U_{imp}$), 50 Hz power switchgear and controlgear assembly consisting of: a three-phase main busbar system, a protective busbar, one incoming circuit with ACB and two outgoing circuits with ACBs

DESIGNATION: UMS Modular 1

MANUFACTURER: United Modular Systems Co., Ltd.
99/99 Moo 2
Homkred
Sampran, Nakornpathom, 73110, Thailand

TESTED BY: Institut „Prüffeld für elektrische Hochleistungstechnik“ GmbH
Landsberger Allee 378A
12681 Berlin, Germany

DATE(S) OF TESTS: 11 November 2013

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

IEC 61439-2: Edition 2.0 2011-08

Verifications with reference to the tests listed in Annex D of IEC 61439-1:

- 5: protection against electric shock
- 11: short-circuit withstand strength

Refer to page 1 for ratings

The results are shown in the record of Proving Tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s). This certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

This Certificate comprises this front sheet, 1 ratings page plus 45 other pages as detailed on page 3.

Only integral reproductions of this whole certificate or reproductions of this page accompanied by any ratings pages are permitted.

Issued by Intertek, Hilton House, Corporation Street, Rugby, CV21 2DN England.
Contact: asta@intertek.com Tel: +44 (0)1788 578435



ASTA Observer
M. Thom

Certification Manager

Date

[Signature]
[Signature]
8th April 2014





OPERATION AND STANDARDS DEPARTMENT

Bangpoo Industrial Estate Soi 8, Sukhumvit Road Km.37,
975 Moo 4, Praeksa, Muang, Samutprakarn 10280
Tel. +66 2709 4860-8 Fax. +66 2324 0917-8

TEST CERTIFICATE [Outdoor Cabinet]

Page 1 / 4

Report No.	E0683(E)/54
Operation No.	5404BE0720
Name and address of customer	UNITED MODULAR SYSTEM CO., LTD. 98/38-39 Moo.11 Puttamonthon 5 Road, Raiking, Sampran, Nakornpathom 73210, Thailand Tel : 0 2482 3650-54 Fax : 0 2482 3657
Sample description	Outdoor Cabinet, 1 Unit (Details did not specified on product.)
Sample No.	BE0720
Sample characteristic and condition	Normal
Sample receipted date	April 19, 2011
Test date	April 22, 2011
Test standard	IEC60529:2001 (IP44)
Test report	Details of the test report as shown on the following pages.

Certified by

Witee Srimongkol
(Mr. Witee Srimongkol)

Group Manager (For)

Light and Sound Test Group

22 APR 2011

Witee Srimongkol
(Mr. Witee Srimongkol)

Manager, Section

Operation Section

22 APR 2011

Test personnel : AF.(SSw.)

This document is certified only on the tested sample. Prohibit to reproduce some part of them without permission from the Operation and Standards Department.

FT 002(E)-4/08-50

ใบอนุญาตที่..... 128-51/1436



แบบ มอ. ๒

ใบอนุญาต

แสดงเครื่องหมายมาตรฐานกับผลิตภัณฑ์อุตสาหกรรม

อาศัยอำนาจตามความในพระราชบัญญัติมาตรฐานผลิตภัณฑ์อุตสาหกรรม พ.ศ. ๒๕๑๑

คณะกรรมการมาตรฐานผลิตภัณฑ์อุตสาหกรรม

ออกใบอนุญาตฉบับนี้ให้

บริษัท ยูไนเต็ด โมดูลาร์ ซิสเต็ม จำกัด

แสดงเครื่องหมายมาตรฐานกับผลิตภัณฑ์อุตสาหกรรม ชุดประกอบสำเร็จรูปควบคุมไฟฟ้าแรงดันต่ำ

ตามรายละเอียดแนบท้ายใบอนุญาต

ที่ทำถูกต้องตามมาตรฐานผลิตภัณฑ์อุตสาหกรรม ชุดประกอบสำเร็จรูปควบคุมไฟฟ้าแรงดันต่ำ

มาตรฐานเลขที่ มอก. 1436-2540

เครื่องหมายการค้า.....

ทำที่โรงงานชื่อ บริษัท ยูไนเต็ด โมดูลาร์ ซิสเต็ม จำกัด

ตั้งอยู่ที่อาคารเลขที่ 99/99 ตระกอก/ซอย.....

ถนน..... หมู่ที่ 2 ตำบล/แขวง..... หอมเกร็ด อำเภอ/เขต..... สามพราน

จังหวัด..... นครปฐม ทะเบียนโรงงานเลขที่ จ 3 - 73 - 7/56 นร.

ทั้งนี้ ต้องปฏิบัติตามเงื่อนไขในการอนุญาตที่คณะกรรมการกำหนด

ออกให้ ณ วันที่..... พ.ศ.....

(นายอุฤทธิ์ ศรีทองโคตร)

เลขาธิการสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

สำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

กระทรวงอุตสาหกรรม

เลขประจำตัวผู้เสียภาษีอากร

ผู้รับใบอนุญาต 0735553000860

ก้นเดือน

ผู้รับใบอนุญาตต้องปฏิบัติตามเงื่อนไขที่คณะกรรมการกำหนด

Certificate of Registration

This is to certify that the

QUALITY MANAGEMENT SYSTEM

of

**UNITED MODULAR SYSTEM CO., LTD.
UNITED MANUFACTURING CO., LTD.**

99/99 Moo 2, Homkred, Sam Phran District, Nakhon Pathom Province, 73110, THAILAND

for

**United Modular System: Manufacture of Electrical Switchboards, Electrical Power
Control and Panels Boards**

**United Manufacturing : Manufacture of Electrical Trunking (Cable Tray, Cable
Ladder, Cable Wireway)**

has been assessed and registered against the provisions of

ISO 9001:2015

International Standard

with

Registration Number: 63Q19864

Issue Date: 10 January 2019

Project: 56-19864-1-Q

Cycle Start Date: 10 January 2019

Certification Approved By:



Expiry Date: 10 January 2022

Gary Jones

Chief Executive Officer



5965

Registration is subject to the management system being continually maintained to the above standard under regular surveillance. Should surveillance not take place when required, registration shall be removed.

This certificate is the property of Globalgroup of Companies Limited.
21 Lansdowne Crescent, Edinburgh, Midlothian, EH12 5EH, Scotland, United Kingdom.

Please validate the authenticity of the certificate at www.globalgroup.net



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