

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

**Issued to:** XP POWER L L C  
15641 RED HILL AVE, SUITE 100,  
TUSTIN, CA 92780 USA


**This is to certify that representative samples of** Please see addendum page  
Please see addendum page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements; UL62368-1; CAN/CSA C22.2 No. 62368-1-14

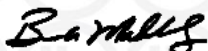
**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

This is to certify that POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT – COMPONENT POWER SUPPLIES FOR USE WITH AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT – COMPONENT

**Models:**  
Covered for QQGQ2 and QQGQ8

JTE0324S3V3, JTE0324S05, JTE0324S12, JTE0324S15, JTE0324S24,  
JTE0324D03, JTE0324D05, JTE0324D12, JTE0324D15, JTE0324D24,  
JTE0348S3V3, JTE0348S05, JTE0348S12, JTE0348S15, JTE0348S24,  
JTE0348D03, JTE0348D05, JTE0348D12, JTE0348D15, JTE0348D24,  
JTE0324S3V3-H, JTE0324S05-H, JTE0324S12-H, JTE0324S15-H, JTE0324S24-H,  
JTE0324D03-H, JTE0324D05-H, JTE0324D12-H, JTE0324D15-H, JTE0324D24-H,  
JTE0348S3V3-H, JTE0348S05-H, JTE0348S12-H, JTE0348S15-H, JTE0348S24-H,  
JTE0348D03-H, JTE0348D05-H, JTE0348D12-H, JTE0348D15-H, JTE0348D24-H,  
JTE0624S15, JTE0624S24, JTE0624D03, JTE0624D05, JTE0624D12, JTE0624D15,  
JTE0624D24, JTE0648S3V3, JTE0648S05, JTE0648S12, JTE0648S15,  
JTE0648S24, JTE0648D03, JTE0648D05, JTE0648D12, JTE0648D15, JTE0648D24,  
JTE0624S3V3-H, JTE0624S05-H, JTE0624S12-H, JTE0624S15-H, JTE0624S24-H,  
JTE0624D03-H, JTE0624D05-H, JTE0624D12-H, JTE0624D15-H, JTE0624D24-H,  
JTE0648S3V3-H, JTE0648S05-H, JTE0648S12-H, JTE0648S15-H, JTE0648S24-H,  
JTE0648D03-H, JTE0648D05-H, JTE0648D12-H, JTE0648D15-H, JTE0648D24-H,  
JCE0324D03, JCE0324D05, JCE0324D12, JCE0324D15, JCE0324D24,  
JCE0348S3V3, JCE0348S05, JCE0348S12, JCE0348S15, JCE0348S24,  
JCE0348D03, JCE0348D05, JCE0348D12, JCE0348D15, JCE0348D24,  
JCE0312S3V3-H, JCE0312S05-H, JCE0312S12-H, JCE0312S15-H, JCE0312S24-H,  
JCE0312D03-H, JCE0312D05-H, JCE0312D12-H, JCE0312D15-H, JCE0312D24-H,  
JCE0324S3V3-H, JCE0324S05-H, JCE0324S12-H, JCE0324S15-H, JCE0324S24-H,  
JCE0324D03-H, JCE0324D05-H, JCE0324D12-H, JCE0324D15-H, JCE0324D24-H,  
JCE0348S3V3-H, JCE0348S05-H, JCE0348S12-H, JCE0348S15-H, JCE0348S24-H,  
JCE0348D03-H, JCE0348D05-H, JCE0348D12-H, JCE0348D15-H, JCE0348D24-H,  
JCE0612S3V3, JCE0612S05, JCE0612S12, JCE0612S15, JCE0612S24,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





# CERTIFICATE OF COMPLIANCE

Certificate Number 20170824-E317867  
Report Reference E317867-20140717  
Issue Date 2017-AUGUST-25

JCE0612D03, JCE0612D05, JCE0612D12, JCE0612D15, JCE0612D24,  
JCE0624S3V3, JCE0624S05, JCE0624S12, JCE0624S15, JCE0624S24,  
JCE0624D03, JCE0624D05, JCE0624D12, JCE0624D15, JCE0624D24,  
JCE0648S3V3, JCE0648S05, JCE0648S12, JCE0648S15, JCE0648S24,  
JCE0648D03, JCE0648D05, JCE0648D12, JCE0648D15, JCE0648D24,  
JCE0612S3V3-H, JCE0612S05-H, JCE0612S12-H, JCE0612S15-H, JCE0612S24-H,  
JCE0612D03-H, JCE0612D05-H, JCE0612D12-H, JCE0612D15-H, JCE0612D24-H,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

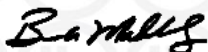


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

JCE0624S3V3-H, JCE0624S05-H, JCE0624S12-H, JCE0624S15-H, JCE0624S24-H,  
JCE0624D03-H, JCE0624D05-H, JCE0624D12-H, JCE0624D15-H, JCE0624D24-H,  
JCE0648S3V3-H, JCE0648S05-H, JCE0648S12-H, JCE0648S15-H, JCE0648S24-H,  
JCE0648D03-H, JCE0648D05-H, JCE0648D12-H, JCE0648D15-H, JCE0648D24-H,  
ITW0505SA, ITW0512SA, ITW0515SA, ITW0524SA, ITW0512S, ITW0515S,  
ITW1205SA, ITW1212SA, ITW1215SA, ITW1224SA, ITW1212S, ITW1215S,  
ITW2405SA, ITW2412SA, ITW2415SA, ITW2424SA, ITW2412S, ITW2415S,  
ITW4805SA, ITW4812SA, ITW4815SA, ITW4824SA, ITW4812S, ITW4815S,  
IB0303S, IB0305S, IB0307S, IB0309S, IB0312S, IB0315S, IB0318S, IB0324S,  
IB0503S, IB0505S, IB0507S, IB0509S, IB0512S, IB0515S, IB0518S, IB0524S,  
IB1203S, IB1205S, IB1207S, IB1209S, IB1212S, IB1215S, IB1218S, IB1224S,  
IB1503S, IB1505S, IB1507S, IB1509S, IB1512S, IB1515S, IB1518S, IB1524S,  
IB2403S, IB2405S, IB2407S, IB2409S, IB2412S, IB2415S, IB2418S, IB2424S,  
IB4803S, IB4805S, IB4807S, IB4809S, IB4812S, IB4815S, IB4818S, IB4824S,  
IV0303SA, IV0305SA, IV0307SA, IV0309SA, IV0312SA, IV0315SA, IV0318SA,  
IV0324SA, IV0503SA, IV0505SA, IV0507SA, IV0509SA, IV0512SA, IV0515SA,  
IV0518SA, IV0524SA, IV1203SA, IV1205SA, IV1207SA, IV1209SA, IV1212SA,  
IV1215SA, IV1218SA, IV1224SA, IV1503SA, IV1505SA, IV1507SA, IV1509SA,  
IV1512SA, IV1515SA, IV1518SA, IV1524SA, IV2403SA, IV2405SA, IV2407SA,  
IV2409SA, IV2412SA, IV2415SA, IV2418SA, IV2424SA, IV4803SA, IV4805SA,  
IV4807SA, IV4809SA, IV4812SA, IV4815SA, IV4818SA, IV4824SA, IV0303SA-H4,  
IV0305SA-H4, IV0307SA-H4, IV0309SA-H4, IV0312SA-H4, IV0315SA-H4,  
IV0318SA-H4, IV0324SA-H4, IV0503SA-H4, IV0505SA-H4, IV0507SA-H4,  
IV0509SA-H4, IV0512SA-H4, IV0515SA-H4, IV0518SA-H4, IV0524SA-H4,  
IV1203SA-H4, IV1205SA-H4, IV1207SA-H4, IV1209SA-H4, IV1212SA-H4,  
IV1215SA-H4, IV1218SA-H4, IV1224SA-H4, IV1503SA-H4, IV1505SA-H4,  
IV1507SA-H4, IV1509SA-H4, IV1512SA-H4, IV1515SA-H4, IV1518SA-H4,  
IV1524SA-H4, IV2403SA-H4, IV2405SA-H4, IV2407SA-H4, IV2409SA-H4,  
IV2412SA-H4, IV2415SA-H4, IV2418SA-H4, IV2424SA-H4, IV4803SA-H4,  
IV4805SA-H4, IV4807SA-H4, IV4809SA-H4, IV4812SA-H4, IV4815SA-H4,  
IV4818SA-H4, IV4824SA-H4, IV0303SA-H5, IV0305SA-H5, IV0307SA-H5,  
IV0309SA-H5, IV0312SA-H5, IV0315SA-H5, IV0318SA-H5, IV0324SA-H5,  
IV0503SA-H5, IV0505SA-H5, IV0507SA-H5, IV0509SA-H5, IV0512SA-H5,  
IV0515SA-H5, IV0518SA-H5, IV0524SA-H5, IV1203SA-H5, IV1205SA-H5,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>






# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

IV1207SA-H5, IV1209SA-H5, IV1212SA-H5, IV1215SA-H5, IV1218SA-H5, IV1224SA-H5, IV1503SA-H5, IV1505SA-H5, IV1507SA-H5, IV1509SA-H5, IV1512SA-H5, IV1515SA-H5, IV1518SA-H5, IV1524SA-H5, IV2403SA-H5, IV2405SA-H5, IV2407SA-H5, IV2409SA-H5, IV2412SA-H5, IV2415SA-H5, IV2418SA-H5, IV2424SA-H5, IV4803SA-H5, IV4805SA-H5, IV4807SA-H5, IV4809SA-H5, IV4812SA-H5, IV4815SA-H5, IV4818SA-H5, IV4824SA-H5, IV0303SA-H6, IV0305SA-H6, IV0307SA-H6, IV0309SA-H6, IV0312SA-H6, IV0315SA-H6, IV0318SA-H6, IV0324SA-H6, IV0503SA-H6, IV0505SA-H6, IV0507SA-H6, IV0509SA-H6, IV0512SA-H6, IV0515SA-H6, IV0518SA-H6, IV0524SA-H6, IV1203SA-H6, IV1205SA-H6, IV1207SA-H6, IV1209SA-H6, IV1212SA-H6, IV1215SA-H6, IV1218SA-H6, IV1224SA-H6, IV1503SA-H6, IV1505SA-H6, IV1507SA-H6, IV1509SA-H6, IV1512SA-H6, IV1515SA-H6, IV1518SA-H6, IV1524SA-H6, IV2403SA-H6, IV2405SA-H6, IV2407SA-H6, IV2409SA-H6, IV2412SA-H6, IV2415SA-H6, IV2418SA-H6, IV2424SA-H6, IV4803SA-H6, IV4805SA-H6, IV4807SA-H6, IV4809SA-H6, IV4812SA-H6, IV4815SA-H6, IV4818SA-H6, IV4824SA-H6, IA0303S, IA0305S, IA0307S, IA0309S, IA0312S, IA0315S, IA0318S, IA0324S, IA0503S, IA0505S, IA0507S, IA0509S, IA0512S, IA0515S, IA0518S, IA0524S, IA1203S, IA1205S, IA1207S, IA1209S, IA1212S, IA1215S, IA1218S, IA1224S, IA1503S, IA1505S, IA1507S, IA1509S, IA1512S, IA1515S, IA1518S, IA1524S, IA2403S, IA2405S, IA2407S, IA2409S, IA2412S, IA2415S, IA2418S, IA2424S, IA4803S, IA4805S, IA4807S, IA4809S, IA4812S, IA4815S, IA4818S, IA4824S, IV0303S, IV0305S, IV0307S, IV0309S, IV0312S, IV0315S, IV0318S, IV0324S, IV0503S, IV0505S, IV0507S, IV0509S, IV0512S, IV0515S, IV0518S, IV0524S, IV1203S, IV1205S, IV1207S, IV1209S, IV1212S, IV1215S, IV1218S, IV1224S, IV1503S, IV1505S, IV1507S, IV1509S, IV1512S, IV1515S, IV1518S, IV1524S, IV2403S, IV2405S, IV2407S, IV2409S, IV2412S, IV2415S, IV2418S, IV2424S, IV4803S, IV4805S, IV4807S, IV4809S, IV4812S, IV4815S, IV4818S, IV4824S, IV0303S-H4, IV0305S-H4, IV0307S-H4, IV0309S-H4, IV0312S-H4, IV0315S-H4, IV0318S-H4, IV0324S-H4, IV0503S-H4, IV0505S-H4, IV0507S-H4, IV0509S-H4, IV0512S-H4, IV0515S-H4, IV0518S-H4, IV0524S-H4, IV1203S-H4, IV1205S-H4, IV1207S-H4, IV1209S-H4, IV1212S-H4, IV1215S-H4, IV1218S-H4, IV1224S-H4, IV1503S-H4, IV1505S-H4, IV1507S-H4, IV1509S-H4, IV1512S-H4, IV1515S-H4, IV1518S-H4, IV1524S-H4, IV2403S-H4, IV2405S-H4, IV2407S-H4, IV2409S-H4, IV2412S-H4, IV2415S-H4, IV2418S-H4,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

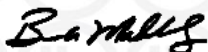


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

IV2424S-H4, IV4803S-H4, IV4805S-H4, IV4807S-H4, IV4809S-H4, IV4812S-H4, IV4815S-H4, IV4818S-H4, IV4824S-H4, IV0303S-H5, IV0305S-H5, IV0307S-H5, IV0309S-H5, IV0312S-H5, IV0315S-H5, IV0318S-H5, IV0324S-H5, IV0503S-H5, IV0505S-H5, IV0507S-H5, IV0509S-H5, IV0512S-H5, IV0515S-H5, IV0518S-H5, IV0524S-H5, IV1203S-H5, IV1205S-H5, IV1207S-H5, IV1209S-H5, IV1212S-H5, IV1215S-H5, IV1218S-H5, IV1224S-H5, IV1503S-H5, IV1505S-H5, IV1507S-H5, IV1509S-H5, IV1512S-H5, IV1515S-H5, IV1518S-H5, IV1524S-H5, IV2403S-H5, IV2405S-H5, IV2407S-H5, IV2409S-H5, IV2412S-H5, IV2415S-H5, IV2418S-H5, IV2424S-H5, IV4803S-H5, IV4805S-H5, IV4807S-H5, IV4809S-H5, IV4812S-H5, IV4815S-H5, IV4818S-H5, IV4824S-H5, IV0303S-H6, IV0305S-H6, IV0307S-H6, IV0309S-H6, IV0312S-H6, IV0315S-H6, IV0318S-H6, IV0324S-H6, IV0503S-H6, IV0505S-H6, IV0507S-H6, IV0509S-H6, IV0512S-H6, IV0515S-H6, IV0518S-H6, IV0524S-H6, IV1203S-H6, IV1205S-H6, IV1207S-H6, IV1209S-H6, IV1212S-H6, IV1215S-H6, IV1218S-H6, IV1224S-H6, IV1503S-H6, IV1505S-H6, IV1507S-H6, IV1509S-H6, IV1512S-H6, IV1515S-H6, IV1518S-H6, IV1524S-H6, IV2403S-H6, IV2405S-H6, IV2407S-H6, IV2409S-H6, IV2412S-H6, IV2415S-H6, IV2418S-H6, IV2424S-H6, IV4803S-H6, IV4805S-H6, IV4807S-H6, IV4809S-H6, IV4812S-H6, IV4815S-H6, IV4818S-H6, IV4824S-H6, IB0303D, IB0305D, IB0307D, IB0309D, IB0312D, IB0315D, IB0318D, IB0324D, IB0503D, IB0505D, IB0507D, IB0509D, IB0512D, IB0515D, IB0518D, IB0524D, IB1203D, IB1205D, IB1207D, IB1209D, IB1212D, IB1215D, IB1218D, IB1224D, IB1503D, IB1505D, IB1507D, IB1509D, IB1512D, IB1515D, IB1518D, IB1524D, IB2403D, IB2405D, IB2407D, IB2409D, IB2412D, IB2415D, IB2418D, IB2424D, IB4803D, IB4805D, IB4807D, IB4809D, IB4812D, IB4815D, IB4818D, IB4824D, IV0303DA, IV0305DA, IV0307DA, IV0309DA, IV0312DA, IV0315DA, IV0318DA, IV0324DA, IV0503DA, IV0505DA, IV0507DA, IV0509DA, IV0512DA, IV0515DA, IV0518DA, IV0524DA, IV1203DA, IV1205DA, IV1207DA, IV1209DA, IV1212DA, IV1215DA, IV1218DA, IV1224DA, IV1503DA, IV1505DA, IV1507DA, IV1509DA, IV1512DA, IV1515DA, IV1518DA, IV1524DA, IV2403DA, IV2405DA, IV2407DA, IV2409DA, IV2412DA, IV2415DA, IV2418DA, IV2424DA, IV4803DA, IV4805DA, IV4807DA, IV4809DA, IV4812DA, IV4815DA, IV4818DA, IV4824DA, IV0303DA-H4, IV0305DA-H4, IV0307DA-H4, IV0309DA-H4, IV0312DA-H4, IV0315DA-H4, IV0318DA-H4, IV0324DA-H4, IV0503DA-H4, IV0505DA-H4, IV0507DA-H4, IV0509DA-H4, IV0512DA-H4, IV0515DA-H4, IV0518DA-H4, IV0524DA-H4, IV1203DA-H4, IV1205DA-H4, IV1207DA-H4,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



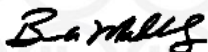


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

IV1209DA-H4, IV1212DA-H4, IV1215DA-H4, IV1218DA-H4, IV1224DA-H4, IV1503DA-H4, IV1505DA-H4, IV1507DA-H4, IV1509DA-H4, IV1512DA-H4, IV1515DA-H4, IV1518DA-H4, IV1524DA-H4, IV2403DA-H4, IV2405DA-H4, IV2407DA-H4, IV2409DA-H4, IV2412DA-H4, IV2415DA-H4, IV2418DA-H4, IV2424DA-H4, IV4803DA-H4, IV4805DA-H4, IV4807DA-H4, IV4809DA-H4, IV4812DA-H4, IV4815DA-H4, IV4818DA-H4, IV4824DA-H4, IV0303DA-H5, IV0305DA-H5, IV0307DA-H5, IV0309DA-H5, IV0312DA-H5, IV0315DA-H5, IV0318DA-H5, IV0324DA-H5, IV0503DA-H5, IV0505DA-H5, IV0507DA-H5, IV0509DA-H5, IV0512DA-H5, IV0515DA-H5, IV0518DA-H5, IV0524DA-H5, IV1203DA-H5, IV1205DA-H5, IV1207DA-H5, IV1209DA-H5, IV1212DA-H5, IV1215DA-H5, IV1218DA-H5, IV1224DA-H5, IV1503DA-H5, IV1505DA-H5, IV1507DA-H5, IV1509DA-H5, IV1512DA-H5, IV1515DA-H5, IV1518DA-H5, IV1524DA-H5, IV2403DA-H5, IV2405DA-H5, IV2407DA-H5, IV2409DA-H5, IV2412DA-H5, IV2415DA-H5, IV2418DA-H5, IV2424DA-H5, IV4803DA-H5, IV4805DA-H5, IV4807DA-H5, IV4809DA-H5, IV4812DA-H5, IV4815DA-H5, IV4818DA-H5, IV4824DA-H5, IV0303DA-H6, IV0305DA-H6, IV0307DA-H6, IV0309DA-H6, IV0312DA-H6, IV0315DA-H6, IV0318DA-H6, IV0324DA-H6, IV0503DA-H6, IV0505DA-H6, IV0507DA-H6, IV0509DA-H6, IV0512DA-H6, IV0515DA-H6, IV0518DA-H6, IV0524DA-H6, IV1203DA-H6, IV1205DA-H6, IV1207DA-H6, IV1209DA-H6, IV1212DA-H6, IV1215DA-H6, IV1218DA-H6, IV1224DA-H6, IV1503DA-H6, IV1505DA-H6, IV1507DA-H6, IV1509DA-H6, IV1512DA-H6, IV1515DA-H6, IV1518DA-H6, IV1524DA-H6, IV2403DA-H6, IV2405DA-H6, IV2407DA-H6, IV2409DA-H6, IV2412DA-H6, IV2415DA-H6, IV2418DA-H6, IV2424DA-H6, IV4803DA-H6, IV4805DA-H6, IV4807DA-H6, IV4809DA-H6, IV4812DA-H6, IV4815DA-H6, IV4818DA-H6, IV4824DA-H6, IA0303D, IA0305D, IA0307D, IA0309D, IA0312D, IA0315D, IA0318D, IA0324D, IA0503D, IA0505D, IA0507D, IA0509D, IA0512D, IA0515D, IA0518D, IA0524D, IA1203D, IA1205D, IA1207D, IA1209D, IA1212D, IA1215D, IA1218D, IA1224D, IA1503D, IA1505D, IA1507D, IA1509D, IA1512D, IA1515D, IA1518D, IA1524D, IA2403D, IA2405D, IA2407D, IA2409D, IA2412D, IA2415D, IA2418D, IA2424D, IA4803D, IA4805D, IA4807D, IA4809D, IA4812D, IA4815D, IA4818D, IA4824D, IV0303D, IV0305D, IV0307D, IV0309D, IV0312D, IV0315D, IV0318D, IV0324D, IV0503D, IV0505D, IV0507D, IV0509D, IV0512D, IV0515D, IV0518D, IV0524D, IV1203D, IV1205D, IV1207D, IV1209D, IV1212D, IV1215D, IV1218D, IV1224D, IV1503D,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

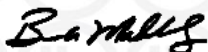


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

IV1505D, IV1507D, IV1509D, IV1512D, IV1515D, IV1518D, IV1524D, IV2403D, IV2405D, IV2407D, IV2409D, IV2412D, IV2415D, IV2418D, IV2424D, IV4803D, IV4805D, IV4807D, IV4809D, IV4812D, IV4815D, IV4818D, IV4824D, IV0303D-H4, IV0305D-H4, IV0307D-H4, IV0309D-H4, IV0312D-H4, IV0315D-H4, IV0318D-H4, IV0324D-H4, IV0503D-H4, IV0505D-H4, IV0507D-H4, IV0509D-H4, IV0512D-H4, IV0515D-H4, IV0518D-H4, IV0524D-H4, IV1203D-H4, IV1205D-H4, IV1207D-H4, IV1209D-H4, IV1212D-H4, IV1215D-H4, IV1218D-H4, IV1224D-H4, IV1503D-H4, IV1505D-H4, IV1507D-H4, IV1509D-H4, IV1512D-H4, IV1515D-H4, IV1518D-H4, IV1524D-H4, IV2403D-H4, IV2405D-H4, IV2407D-H4, IV2409D-H4, IV2412D-H4, IV2415D-H4, IV2418D-H4, IV2424D-H4, IV4803D-H4, IV4805D-H4, IV4807D-H4, IV4809D-H4, IV4812D-H4, IV4815D-H4, IV4818D-H4, IV4824D-H4, IV0303D-H5, IV0305D-H5, IV0307D-H5, IV0309D-H5, IV0312D-H5, IV0315D-H5, IV0318D-H5, IV0324D-H5, IV0503D-H5, IV0505D-H5, IV0507D-H5, IV0509D-H5, IV0512D-H5, IV0515D-H5, IV0518D-H5, IV0524D-H5, IV1203D-H5, IV1205D-H5, IV1207D-H5, IV1209D-H5, IV1212D-H5, IV1215D-H5, IV1218D-H5, IV1224D-H5, IV1503D-H5, IV1505D-H5, IV1507D-H5, IV1509D-H5, IV1512D-H5, IV1515D-H5, IV1518D-H5, IV1524D-H5, IV2403D-H5, IV2405D-H5, IV2407D-H5, IV2409D-H5, IV2412D-H5, IV2415D-H5, IV2418D-H5, IV2424D-H5, IV4803D-H5, IV4805D-H5, IV4807D-H5, IV4809D-H5, IV4812D-H5, IV4815D-H5, IV4818D-H5, IV4824D-H5, IV0303D-H6, IV0305D-H6, IV0307D-H6, IV0309D-H6, IV0312D-H6, IV0315D-H6, IV0318D-H6, IV0324D-H6, IV0503D-H6, IV0505D-H6, IV0507D-H6, IV0509D-H6, IV0512D-H6, IV0515D-H6, IV0518D-H6, IV0524D-H6, IV1203D-H6, IV1205D-H6, IV1207D-H6, IV1209D-H6, IV1212D-H6, IV1215D-H6, IV1218D-H6, IV1224D-H6, IV1503D-H6, IV1505D-H6, IV1507D-H6, IV1509D-H6, IV1512D-H6, IV1515D-H6, IV1518D-H6, IV1524D-H6, IV2403D-H6, IV2405D-H6, IV2407D-H6, IV2409D-H6, IV2412D-H6, IV2415D-H6, IV2418D-H6, IV2424D-H6, IV4803D-H6, IV4805D-H6, IV4807D-H6, IV4809D-H6, IV4812D-H6, IV4815D-H6, IV4818D-H6, IV4824D-H6, IT2403SA, IT2405SA, IT2412SA, IT2415SA, IT4803SA, IT4805SA, IT4812SA, IT4815SA, IT2405S, IT2412S, IT2415S, IT4805S, IT4812S, IT4815S, IM2403SA, IM2405SA, IM2412SA, IM2415SA, IM4803SA, IM4805SA, IM4812SA, IM4815SA, IM2405S, IM2412S, IM2415S, IM4805S, IM4812S, IM4815S, JCH1012S3V3, JCH1012S05, JCH1012S7V2, JCH1012S09, JCH1012S12, JCH1012S15, JCH1012S18, JCH1012S24, JCH1012D03, JCH1012D05, JCH1012D07, JCH1012D09, JCH1012D12, JCH1012D15, JCH1012D18, JCH1012D24, JCH1024S3V3,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>






# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

JCH1024S05, JCH1024S7V2, JCH1024S09, JCH1024S12, JCH1024S15,  
JCH1024S18, JCH1024S24, JCH1024D03, JCH1024D05, JCH1024D07,  
JCH1024D09, JCH1024D12, JCH1024D15, JCH1024D18, JCH1024D24,  
JCH1048S3V3, JCH1048S05, JCH1048S7V2, JCH1048S09, JCH1048S12,  
JCH1048S15, JCH1048S18, JCH1048S24, JCH1048D03, JCH1048D05,  
JCH1048D07, JCH1048D09, JCH1048D12, JCH1048D15, JCH1048D18,  
JCH1048D24, **JTH1524S3V3, JTH1524S05, JTH1524S7V2, JTH1524S09,**  
**JTH1524S12, JTH1524S15, JTH1524D05, JTH1524D07, JTH1524D09, JTH1524D12,**  
**JTH1524D15, JTH1548S3V3, JTH1548S05, JTH1548S7V2, JTH1548S09,**  
**JTH1548S12, JTH1548S15, JTH1548D05, JTH1548D07, JTH1548D09, JTH1548D12,**  
**JTH1548D15, JTH1524S3V3-R, JTH1524S05-R, JTH1524S7V2-R, JTH1524S09-R,**  
**JTH1524S12-R, JTH1524S15-R, JTH1524D05-R, JTH1524D07-R, JTH1524D09-R,**  
**JTH1524D12-R, JTH1524D15-R, JTH1548S3V3-R, JTH1548S05-R, JTH1548S7V2-R,**  
**JTH1548S09-R, JTH1548S12-R, JTH1548S15-R, JTH1548D05-R, JTH1548D07-R,**  
**JTH1548D09-R, JTH1548D12-R, JTH1548D15-R, JTK1524S3V3, JTK1524S05,**  
JTK1524S12, JTK1524S15, JTK1548S3V3, JTK1548S05, JTK1548S12, JTK1548S15,  
JTK1524D05, JTK1524D12, JTK1524D15, JTK1548D05, JTK1548D12, JTK1548D15,  
JTK2024S3V3, JTK2024S05, JTK2024S12, JTK2024S15, JTK2048S3V3,  
JTK2048S05, JTK2048S12, JTK2048S15, JTK2024D12, JTK2024D15, JTK2048D12,  
JTK2048D15, JCM1512S3V3, JCM1512S05, JCM1512S12, JCM1512S15,  
JCM1524S3V3, JCM1524S05, JCM1524S12, JCM1524S15, JCM1548S3V3,  
JCM1548S05, JCM1548S12, JCM1548S15, JCM1512D05, JCM1512D12,  
JCM1512D15, JCM1524D05, JCM1524D12, JCM1524D15, JCM1548D05,  
JCM1548D12, JCM15489D15, JCM2012S3V3, JCM2012S05, JCM2012S12,  
JCM2012S15, JCM2024S3V3, JCM2024S05, JCM2024S12, JCM2024S15,  
JCM2048S3V3, JCM2048S05, JCM2048S12, JCM2048S15, JCM2012D12,  
JCM2012D15, JCM2024D12, JCM2024D15, JCM2048D12, JCM2048D15



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



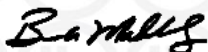
# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

JCM3012S3V3, JCM3012S05, JCM3012S12, JCM3012S15, JCM3012D12, JCM3012D15, JCM3024S3V3, JCM3024S05, JCM3024S12, JCM3024S15, JCM3024D12, JCM3024D15, JCM3048S3V3, JCM3048S05, JCM3048S12, JCM3048S15, JCM3048D12, JCM3048D15, JCM3012S3V3-HK, JCM3012S05-HK, JCM3012S12-HK, JCM3012S15-HK, JCM3024S3V3-HK, JCM3024S05-HK, JCM3024S12-HK, JCM3024S15-HK, JCM3048S3V3-HK, JCM3048S05-HK, JCM3048S12-HK, JCM3048S15-HK, JCM3012D12-HK, JCM3012D15-HK, JCM3024D12-HK, JCM3024D15-HK, JCM3048D12-HK, JCM3048D15-HK, JTK3024S3V3, JTK3024S05, JTK3024S12, JTK3024S15, JTK3024D12, JTK3024D15, JTK3048S3V3, JTK3048S05, JTK3048S12, JTK3048S15, JTK3048D12, JTK3048D15, JTK3024S3V3-HK, JTK3024S05-HK, JTK3024S12-HK, JTK3024S15-HK, JTK3048S3V3-HK, JTK3048S05-HK, JTK3048S12-HK, JTK3048S15-HK, JTK3024D12-HK, JTK3024D15-HK, JTK3048D12-HK, JTK3048D15-HK.

ISD0103S3V3, ISD0103S05, ISD0105S3V3, ISD0105S05, ISD0103D3V3, ISD0103D05, ISD0105D3V3, ISD0105D05, ISD0103S3V3-TR, ISD0103S05-TR, ISD0105S3V3-TR, ISD0105S05-TR, ISD0103D3V3-TR, ISD0103D05-TR, ISD0105D3V3-TR, ISD0105D05-TR



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





# CERTIFICATE OF COMPLIANCE

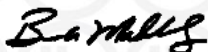
Certificate Number 20170824-E317867  
Report Reference E317867-20140717  
Issue Date 2017-AUGUST-25

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Covered for QQJQ2 and QQJQ8

IT2403SA, IT2405SA, IT2412SA, IT2415SA, IT4803SA, IT4805SA, IT4812SA, IT4815SA, IT2405S, IT2412S, IT2415S, IT4805S, IT4812S, IT4815S, IM2403SA, IM2405SA, IM2412SA, IM2415SA, IM4803SA, IM4805SA, IM4812SA, IM4815SA, IM2405S, IM2412S, IM2415S, IM4805S, IM4812S, IM4815S, JCH1012S3V3, JCH1012S05, JCH1012S7V2, JCH1012S09, JCH1012S12, JCH1012S15, JCH1012S18, JCH1012S24, JCH1012D03, JCH1012D05, JCH1012D07, JCH1012D09, JCH1012D12, JCH1012D15, JCH1012D18, JCH1012D24, JCH1024S3V3,

JCH1024S05, JCH1024S7V2, JCH1024S09, JCH1024S12, JCH1024S15, JCH1024S18, JCH1024S24, JCH1024D03, JCH1024D05, JCH1024D07, JCH1024D09, JCH1024D12, JCH1024D15, JCH1024D18, JCH1024D24, JCH1048S3V3, JCH1048S05, JCH1048S7V2, JCH1048S09, JCH1048S12, JCH1048S15, JCH1048S18, JCH1048S24, JCH1048D03, JCH1048D05, JCH1048D07, JCH1048D09, JCH1048D12, JCH1048D15, JCH1048D18, JCH1048D24, JTH1524S3V3, JTH1524S05, JTH1524S7V2, JTH1524S09, JTH1524S12, JTH1524S15, JTH1524D05, JTH1524D07, JTH1524D09, JTH1524D12, JTH1524D15, JTH1548S3V3, JTH1548S05, JTH1548S7V2, JTH1548S09, JTH1548S12, JTH1548S15, JTH1548D05, JTH1548D07, JTH1548D09, JTH1548D12, JTH1548D15, JTH1524S3V3-R, JTH1524S05-R, JTH1524S7V2-R, JTH1524S09-R, JTH1524S12-R, JTH1524S15-R, JTH1524D05-R, JTH1524D07-R, JTH1524D09-R, JTH1524D12-R, JTH1524D15-R, JTH1548S3V3-R, JTH1548S05-R, JTH1548S7V2-R, JTH1548S09-R, JTH1548S12-R, JTH1548S15-R, JTH1548D05-R, JTH1548D07-R, JTH1548D09-R, JTH1548D12-R, JTH1548D15-R, JTK1524S3V3, JTK1524S05, JTK1524S12, JTK1524S15, JTK1548S3V3, JTK1548S05, JTK1548S12, JTK1548S15, JTK1524D05, JTK1524D12, JTK1524D15, JTK1548D05, JTK1548D12, JTK1548D15, JTK2024S3V3, JTK2024S05, JTK2024S12, JTK2024S15, JTK2048S3V3, JTK2048S05, JTK2048S12, JTK2048S15, JTK2024D12, JTK2024D15, JTK2048D12, JTK2048D15, JCM1512S3V3, JCM1512S05, JCM1512S12, JCM1512S15, JCM1524S3V3, JCM1524S05, JCM1524S12, JCM1524S15, JCM1548S3V3, JCM1548S05, JCM1548S12, JCM1548S15, JCM1512D05, JCM1512D12, JCM1512D15, JCM1524D05, JCM1524D12, JCM1524D15, JCM1548D05,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



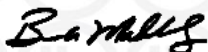
# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170824-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-AUGUST-25

JCM1548D12, JCM15489D15, JCM2012S3V3, JCM2012S05, JCM2012S12, JCM2012S15, JCM2024S3V3, JCM2024S05, JCM2024S12, JCM2024S15, JCM2048S3V3, JCM2048S05, JCM2048S12, JCM2048S15, JCM2012D12, JCM2012D15, JCM2024D12, JCM2024D15, JCM2048D12, JCM2048D15

JCM3012S3V3, JCM3012S05, JCM3012S12, JCM3012S15, JCM3012D12, JCM3012D15, JCM3024S3V3, JCM3024S05, JCM3024S12, JCM3024S15, JCM3024D12, JCM3024D15, JCM3048S3V3, JCM3048S05, JCM3048S12, JCM3048S15, JCM3048D12, JCM3048D15, JCM3012S3V3-HK, JCM3012S05-HK, JCM3012S12-HK, JCM3012S15-HK, JCM3024S3V3-HK, JCM3024S05-HK, JCM3024S12-HK, JCM3024S15-HK, JCM3048S3V3-HK, JCM3048S05-HK, JCM3048S12-HK, JCM3048S15-HK, JCM3012D12-HK, JCM3012D15-HK, JCM3024D12-HK, JCM3024D15-HK, JCM3048D12-HK, JCM3048D15-HK, JTK3024S3V3, JTK3024S05, JTK3024S12, JTK3024S15, JTK3024D12, JTK3024D15, JTK3048S3V3, JTK3048S05, JTK3048S12, JTK3048S15, JTK3048D12, JTK3048D15, JTK3024S3V3-HK, JTK3024S05-HK, JTK3024S12-HK, JTK3024S15-HK, JTK3048S3V3-HK, JTK3048S05-HK, JTK3048S12-HK, JTK3048S15-HK, JTK3024D12-HK, JTK3024D15-HK, JTK3048D12-HK, JTK3048D15-HK.

ISD0103S3V3, ISD0103S05, ISD0105S3V3, ISD0105S05, ISD0103D3V3, ISD0103D05, ISD0105D3V3, ISD0105D05, ISD0103S3V3-TR, ISD0103S05-TR, ISD0105S3V3-TR, ISD0105S05-TR, ISD0103D3V3-TR, ISD0103D05-TR, ISD0105D3V3-TR, ISD0105D05-TR



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

