

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20171121-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-DECEMBER-14

**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**

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY  
EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT  
Complementary Recognised Under POWER SUPPLIES FOR USE  
WITH AUDIO/VIDEO, INFORMATION AND COMMUNICATION  
TECHNOLOGY EQUIPMENT


Refer Addendum Pages For Models

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

**Standard(s) for Safety:**  
**Additional Information:**

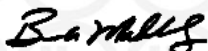
Refer Addendum Pages For Standards  
See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

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

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## Models:

### **QQGQ2, QQGQ8 Only:**

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, 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

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JCE0624S3V3-H, JCE0624S05-H, JCE0624S12-H, JCE0624S15-H, JCE0624S24-H,  
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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,  
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IV0303SA, IV0305SA, IV0307SA, IV0309SA, IV0312SA, IV0315SA, IV0318SA,  
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IV0503SA-H5, IV0505SA-H5, IV0507SA-H5, IV0509SA-H5, IV0512SA-H5,  
IV0515SA-H5, IV0518SA-H5, IV0524SA-H5, IV1203SA-H5, IV1205SA-H5,



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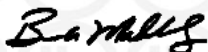


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IV1207SA-H5, IV1209SA-H5, IV1212SA-H5, IV1215SA-H5, IV1218SA-H5, IV1224SA-H5, IV1503SA-H5, IV1505SA-H5, IV1507SA-H5, IV1509SA-H5, IV1512SA-H5, IV1515SA-H5, IV1518SA-H5, IV1524SA-H5, IV2403SA-H5, IV2405SA-H5, IV2407SA-H5, IV2409SA-H5, IV2412SA-H5, IV2415SA-H5, 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.



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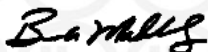


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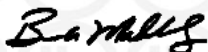


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IV0505DA-H4, IV0507DA-H4, IV0509DA-H4, IV0512DA-H4, IV0515DA-H4, IV0518DA-H4, IV0524DA-H4, IV1203DA-H4, IV1205DA-H4, IV1207DA-H4, IV1209DA-H4, IV1212DA-H4, IV1215DA-H4, IV1218DA-H4, IV1224DA-H4, IV1503DA-H4, IV1505DA-H4, IV1507DA-H4, IV1509DA-H4, IV1512DA-H4, 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.



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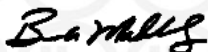


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20171121-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-DECEMBER-14

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, JCH1012S24, JCH1012D03, JCH1012D05, JCH1012D07, JCH1012D09, JCH1012D12, JCH1012D15, JCH1012D18, JCH1012D24, JCH1024S3V3, IV4809D-H6, IV4812D-H6, IV4815D-H6, IV4818D-H6, IV4824D-H6,



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# CERTIFICATE OF COMPLIANCE

Certificate Number 20171121-E317867  
Report Reference E317867-20140717  
Issue Date 2017-DECEMBER-14

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

QQGQ2/8 & QQJQ2/8:

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, 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.



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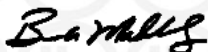
**Certificate Number** 20171121-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-DECEMBER-14

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JCM1524D05, JCM1524D12, JCM1524D15, JCM1548D05, 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.

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JCD0424S18, JCD0424S24, JCD0424D03, JCD0424D05, JCD0424D7V2, JCD0424D09, JCD0424D12, JCD0424D15, JCD0424D18, JCD0424D24, JCD0448S3V3, JCD0448S05, JCD0448S7V2, JCD0448S09, JCD0448S12, JCD0448S15, JCD0448S18, JCD0448S24, JCD0448D03, JCD0448D05, JCD0448D7V2, JCD0448D09, JCD0448D12, JCD0448D15, JCD0448D18, JCD0448D24, JCD0412S3V3-H, JCD0412S05-H, JCD0412S7V2-H, JCD0412S09-H, JCD0412S12-H, JCD0412S15-H, JCD0412S18-H, JCD0412S24-H, JCD0412D03-H, JCD0412D05-H, JCD0412D7V2-H, JCD0412D09-H, JCD0412D12-H, JCD0412D15-H, JCD041DS18-H, JCD0412D24-H, JCD0424S3V3-H, JCD0424S05-H, JCD0424S7V2-H, JCD0424S09-H, JCD0424S12-H, JCD0424S15-H, JCD0424S18-H, JCD0424S24-H, JCD0424D03-H, JCD0424D05-H, JCD0424D7V2-H, JCD0424D09-H, JCD0424D12-H, JCD0424D15-H, JCD0424D18-H, JCD0424D24-H, JCD0448S3V3-H, JCD0448S05-H, JCD0448S7V2-H, JCD0448S09-H, JCD0448S12-H, JCD0448S15-H, JCD0448S18-H, JCD0448S24-H, JCD0448D03-H, JCD0448D05-H, JCD0448D7V2-H, JCD0448D09-H, JCD0448D12-H, JCD0448D15-H, JCD0448D18-H, JCD0448D24-H, JCD0512S3V3, JCD0512S05, JCD0512S7V2, JCD0512S09, JCD0512S12, JCD0512S15, JCD0512S18, JCD0512S24, JCD0512D03, JCD0512D05, JCD0512D7V2, JCD0512D09, JCD0512D12, JCD0512D15, JCD0512D18, JCD0512D24, JCD0524S3V3, JCD0524S05, JCD0524S7V2, JCD0524S09, JCD0524S12, JCD0524S15, JCD0524S18, JCD0524S24, JCD0524D03, JCD0524D05, JCD0524D7V2, JCD0524D09, JCD0524D12, JCD0524D15, JCD0524D18, JCD0524D24, JCD0548S3V3, JCD0548S05, JCD0548S7V2, JCD0548S09, JCD0548S12, JCD0548S15, JCD0548S18, JCD0548S24, JCD0548D03, JCD0548D05, JCD0548D7V2, JCD0548D09, JCD0548D12, JCD0548D15, JCD0548D18, JCD0548D24, JCD0512S3V3-H, JCD0512S05-H, JCD0512S7V2-H, JCD0512S09-H, JCD0512S12-H, JCD0512S15-H, JCD0512S18-H, JCD0512S24-H, JCD0512D03-H, JCD0512D05-H, JCD0512D7V2-H, JCD0512D09-H, JCD0512D12-H, JCD0512D15-H, JCD0512D18-H, JCD0512D24-H, JCD0524S3V3-H, JCD0524S05-H, JCD0524S7V2-H, JCD0524S09-H, JCD0524S12-H, JCD0524S15-H, JCD0524S18-H.



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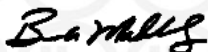


# CERTIFICATE OF COMPLIANCE

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**Report Reference** E317867-20140717  
**Issue Date** 2017-DECEMBER-14

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JCD0524S24-H, JCD0524D03-H, JCD0524D05-H, JCD0524D7V2-H, JCD0524D09-H, JCD0524D12-H, JCD0524D15-H, JCD0524D18-H, JCD0524D24-H, JCD0548S3V3-H, JCD0548S05-H, JCD0548S7V2-H, JCD0548S09-H, JCD0548S12-H, JCD0548S15-H, JCD0548S18-H, JCD0548S24-H, JCD0548D03-H, JCD0548D05-H, JCD0548D7V2-H, JCD0548D09-H, JCD0548D12-H, JCD0548D15-H, JCD0548D18-H, JCD0548D24-H, JCD0612S3V3, JCD0612S05, JCD0612S7V2, JCD0612S09, JCD0612S12, JCD0612S15, JCD0612S18, JCD0612S24, JCD0612D03, JCD0612D05, JCD0612D7V2, JCD0612D09, JCD0612D12, JCD0612D15, JCD0612D18, JCD0612D24, JCD0624S3V3, JCD0624S05, JCD0624S7V2, JCD0624S09, JCD0624S12, JCD0624S15, JCD0624S18, JCD0624S24, JCD0624D03, JCD0624D05, JCD0624D7V2, JCD0624D09, JCD0624D12, JCD0624D15, JCD0624D18, JCD0624D24, JCD0648S3V3, JCD0648S05, JCD0648S7V2, JCD0648S09, JCD0648S12, JCD0648S15, JCD0648S18, JCD0648S24, JCD0648D03, JCD0648D05, JCD0648D7V2, JCD0648D09, JCD0648D12, JCD0648D15, JCD0648D18, JCD0648D24, JCD0612S3V3-H, JCD0612S05-H, JCD0612S7V2-H, JCD0612S09-H, JCD0612S12-H, JCD0612S15-H, JCD0612S18-H, JCD0612S24-H, JCD0612D03-H, JCD0612D05-H, JCD0612D7V2-H, JCD0612D09-H, JCD0612D12-H, JCD0612D15-H, JCD0612D18-H, JCD0612D24-H, JCD0624S3V3-H, JCD0624S05-H, JCD0624S7V2-H, JCD0624S09-H, JCD0624S12-H, JCD0624S15-H, JCD0624S18-H, JCD0624S24-H, JCD0624D03-H, JCD0624D05-H, JCD0624D7V2-H, JCD0624D09-H, JCD0624D12-H, JCD0624D15-H, JCD0624D18-H, JCD0624D24-H, JCD0648S3V3-H, JCD0648S05-H, JCD0648S7V2-H, JCD0648S09-H, JCD0648S12-H, JCD0648S15-H, JCD0648S18-H, JCD0648S24-H, JCD0648D03-H, JCD0648D05-H, JCD0648D7V2-H, JCD0648D09-H, JCD0648D12-H, JCD0648D15-H, JCD0648D18-H, JCD0648D24-H



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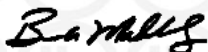


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**Issue Date** 2017-DECEMBER-14

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

JCJ0812S3V3, JCJ0812S05, JCJ0812S7V2, JCJ0812S09, JCJ0812S12, JCJ0812S15, JCJ0812D05, JCJ0812D7V2, JCJ0812D09, JCJ0812D12, JCJ0812D15, JCJ0824S3V3, JCJ0824S05, JCJ0824S7V2, JCJ0824S09, JCJ0824S12, JCJ0824S15, JCJ0824D05, JCJ0824D7V2, JCJ0824D09, JCJ0824D12, JCJ0824D15, JCJ0848S7V2, JCJ0848S09, JCJ0848D05, JCJ0848D7V2, JCJ0848D09, JCJ0848D12, JCJ0848D15, JCJ1012S2V5, JCJ1012S3V3, JCJ1012S05, JCJ1012S12, JCJ1012S15, JCJ1012D12, JCJ1012D15, JCJ1024S2V5, JCJ1024S3V3, JCJ1024S05, JCJ1024S12, JCJ1024S15, JCJ1024D12, JCJ1024D15, JCJ1048S2V5, JCJ1048S3V3, JCJ1048S05, JCJ1048S12, JCJ1048S15, JCJ1048D12, JCJ1048D15, JCK5012S3V3, JCK5012S05, JCK5012S12, JCK5012S15, JCK5024S3V3, JCK5024S05, JCK5024S12, JCK5024S15, JCK5048S3V3, JCK5048S05, JCK5048S12, JCK5048S15, JCK5012S3V3-HK, JCK5012S05-HK, JCK5012S12-HK, JCK5012S15-HK, JCK5024S3V3-HK, JCK5024S05-HK, JCK5024S12-HK, JCK5024S15-HK, JCK5048S3V3-HK, JCK5048S05-HK, JCK5048S12-HK, JCK5048S15-HK.



Bruce Mahrenholz, Director North American Certification Program

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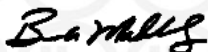


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20171121-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-DECEMBER-14

QQGQ2, QQGQ8, QQJQ2, QQJQ8:-

Models IZ0503SA, IZ0505SA, IZ0512SA, IZ0515SA, IZ1203SA, IZ1205SA, IZ1212SA, IZ1215SA, IZ2403SA, IZ2405SA, IZ2412SA, IZ2415SA, IZ4803SA, IZ4805SA, IZ4812SA, IZ4815SA, IZ0503SA-H, IZ0505SA-H, IZ0512SA-H, IZ0515SA-H, IZ1203SA-H, IZ1205SA-H, IZ1212SA-H, IZ1215SA-H, IZ2403SA-H, IZ2405SA-H, IZ2412SA-H, IZ2415SA-H, IZ4803SA-H, IZ4805SA-H, IZ4812SA-H, IZ4815SA-H, IZ0505S, IZ0512S, IZ0515S, IZ1205S, IZ1212S, IZ1215S, IZ2405S, IZ2412S, IZ2415S, IZ4805S, IZ4812S, IZ4815S, IZ0505S-H, IZ0512S-H, IZ0515S-H, IZ1205S-H, IZ1212S-H, IZ1215S-H, IZ2405S-H, IZ2412S-H, IZ2415S-H, IZ4805S-H, IZ4812S-H, IZ4815S-H, ITX0503SA, ITX0505SA, ITX0509SA, ITX0512SA, ITX0515SA, ITX0524SA, ITX0505S, ITX0512S, ITX0515S, ITX1203SA, ITX1205SA, ITX1209SA, ITX1212SA, ITX1215SA, ITX1224SA, ITX1205S, ITX1212S, ITX1215S, ITX2403SA, ITX2405SA, ITX2409SA, ITX2412SA, ITX2415SA, ITX2424SA, ITX2405S, ITX2412S, ITX2415S, ITX4803SA, ITX4805SA, ITX4809SA, ITX4812SA, ITX4815SA, ITX4824SA, ITX4805S, ITX4812S, ITX4815S, ITX0503SA-H, ITX0505SA-H, ITX0509SA-H, ITX0512SA-H, ITX0515SA-H, ITX0524SA-H, ITX0505S-H, ITX0512S-H, ITX0515S-H, ITX1203SA-H, ITX1205SA-H, ITX1209SA-H, ITX1212SA-H, ITX1215SA-H, ITX1224SA-H, ITX1205S-H, ITX1212S-H, ITX1215S-H, ITX2403SA-H, ITX2405SA-H, ITX2409SA-H, ITX2412SA-H, ITX2415SA-H, ITX2424SA-H, ITX2405S-H, ITX2412S-H, ITX2415S-H, ITX4803SA-H, ITX4805SA-H, ITX4809SA-H, ITX4812SA-H, ITX4815SA-H, ITX4824SA-H, ITX4805S-H, ITX4812S-H, ITX4815S-H, ITX0503SA-R, ITX0505SA-R, ITX0509SA-R, ITX0512SA-R, ITX0515SA-R, ITX0524SA-R, ITX0505S-R, ITX0512S-R, ITX0515S-R, ITX1203SA-R, ITX1205SA-R, ITX1209SA-R, ITX1212SA-R, ITX1215SA-R, ITX1224SA-R, ITX1205S-R, ITX1212S-R, ITX1215S-R, ITX2403SA-R, ITX2405SA-R, ITX2409SA-R, ITX2412SA-R, ITX2415SA-R, ITX2424SA-R, ITX2405S-R, ITX2412S-R, ITX2415S-R, ITX4803SA-R, ITX4805SA-R, ITX4809SA-R, ITX4812SA-R, ITX4815SA-R, ITX4824SA-R, ITX4805S-R, ITX4812S-R, ITX4815S-R, ITX0503SA-HR, ITX0505SA-HR, ITX0509SA-HR, ITX0512SA-HR, ITX0515SA-HR, ITX0524SA-HR, ITX0505S-HR, ITX0512S-HR, ITX0515S-HR, ITX1203SA-HR, ITX1205SA-HR, ITX1209SA-HR, ITX1212SA-HR, ITX1215SA-HR, ITX1224SA-HR, ITX1205S-HR, ITX1212S-HR, ITX1215S-HR, ITX2403SA-HR, ITX2405SA-HR, ITX2409SA-HR, ITX2412SA-HR, ITX2415SA-HR, ITX2424SA-HR, ITX2405S-HR, ITX2412S-HR, ITX2415S-HR, ITX4803SA-HR, ITX4805SA-HR, ITX4809SA-HR, ITX4812SA-HR, ITX4815SA-HR, ITX4824SA-HR, ITX4805S-HR, ITX4812S-HR, ITX4815S-HR, ITQ2403SA,



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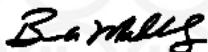
# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20171121-E317867  
**Report Reference** E317867-20140717  
**Issue Date** 2017-DECEMBER-14

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QQGQ2, QQGQ8, QQJQ2, QQJQ8:- JTL6024S05, JTL6024S12, JTL6024S15,  
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HK, JTL6048D15-HK, JTF0824S3V3, JTF0824S05, JTF0824S12, JTF0824S15,  
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JTF1248D12, JTF1248D15.

Standards: UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07, Information  
Technology Equipment - Safety - Part 1: General Requirements,



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