CERTIFICATE OF COMPLIANCE

Certificate Number	UL-US-2137104-1
Report Reference	E343741-20210716
Date	2-Feb-2022
Issued to:	ENERGY RECOVERY PRODUCTS (ZHUHAI) CO LTD NANPING SCIENTIFIC TEC INDUSTRY PARK NO 8 PINGDONG RD 2 ZHUHAI, GUANGDONG 519060 China
This is to certify that representative samples of	FKSZ - Light-emitting-diode Drivers See Addendum Page for Product Designation(s). Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 8750, 2nd Ed., Issue Date: 2015-09-15, Revision Date: 2021-09-23
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

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

Model	Category Description
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-0757-40-TD-HBL, PP represents output power, = "15" if 10 W < output Power ≤ 15 W or = "20" if 15 W < output Power ≤ 20 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or = "50" if 40 W < output Power ≤ 50 W XXXX represents output current, any 4 digit number not more than 1400 (mA) VV represents output voltage, any 2 digit number between 10 and 55 (Vdc) TD represents supply/load connection with terminal block, can be "TD", "T" or "TD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-0757-40-TN-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc)	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-NS, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) ND represents supply/load connection with leads, can be "ND" or "ND-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-SD, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) SD represents supply/load connection with leads, can be "SD", "S" or "SD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-TD, PP represents output power, = "15" if 10 W < output Power ≤ 15 W or = "20" if 15 W < output Power ≤ 20 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or = "50" if 40 W < output Power ≤ 50 W	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

XXXX represents output current, any 4 digit number not more than 1400 (mA) VV represents output voltage, any 2 digit number between 10 and 55 (Vdc) TD represents supply/load connection with terminal block, can be "TD", "T" or "TD-X"	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-TN, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1200-40-TD-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1200-40-TN-HBL, PKM = Series name	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1400-55-NS, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) ND represents supply/load connection with leads, can be "ND" or "ND-X"	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1400-55-SD, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) SD represents supply/load connection with leads, can be "SD", "S" or "SD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1400-55-TD, PP represents output power, = "15" if 10 W < output Power ≤ 15 W or = "20" if 15 W < output Power ≤ 20 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or = "50" if 40 W < output Power ≤ 50 W XXXX represents output current, any 4 digit number not more than 1400 (mA) VV represents output voltage, any 2 digit number between 10 and 55 (Vdc) TD represents supply/load connection with terminal block, can be "TD", "T" or "TD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM65W-1233-55-TD-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM65W-1233-55-TN-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage,	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

= any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM65W-1500-40-TN-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W	LED Drivers

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 UL-US-2137104-1
Report Reference E343741-20210716
Date 2-Feb-2022

When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKMPP65W-1500-40-TD-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc)	LED Drivers

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	UL-US-2137104-1
Report Reference	E343741-20210716
Date	2-Feb-2022

ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	

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	UL-CA-2131003-1
Report Reference	E343741-20210716
Date	2-Feb-2022
Issued to:	ENERGY RECOVERY PRODUCTS (ZHUHAI) CO LTD NANPING SCIENTIFIC TEC INDUSTRY PARK NO 8 PINGDONG RD 2 ZHUHAI, GUANGDONG 519060 China
This is to certify that representative samples of	FKSZ7 - Light-emitting-diode Drivers Certified for Canada See Addendum Page for Product Designation(s). Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	CSA C22.2 NO. 250.13:20, 4th Ed., Issue Date: 2021-01-01
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

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

Model	Category Description
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-0757-40-TD-HBL, PP represents output power, = "15" if 10 W < output Power ≤ 15 W or = "20" if 15 W < output Power ≤ 20 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or = "50" if 40 W < output Power ≤ 50 W XXXX represents output current, any 4 digit number not more than 1400 (mA) VV represents output voltage, any 2 digit number between 10 and 55 (Vdc) TD represents supply/load connection with terminal block, can be "TD", "T" or "TD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-0757-40-TN-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc)	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-NS, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) ND represents supply/load connection with leads, can be "ND" or "ND-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-SD, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) SD represents supply/load connection with leads, can be "SD", "S" or "SD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-TD, PP represents output power, = "15" if 10 W < output Power ≤ 15 W or = "20" if 15 W < output Power ≤ 20 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or = "50" if 40 W < output Power ≤ 50 W	LED Drivers



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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

XXXX represents output current, any 4 digit number not more than 1400 (mA) VV represents output voltage, any 2 digit number between 10 and 55 (Vdc) TD represents supply/load connection with terminal block, can be "TD", "T" or "TD-X"	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM30W-1050-55-TN, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1200-40-TD-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1200-40-TN-HBL, PKM = Series name	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1400-55-NS, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) ND represents supply/load connection with leads, can be "ND" or "ND-X"	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1400-55-SD, PP represents output power, can be "15" if 10 W < output Power ≤ 15 W or "20" if 15 W < output Power ≤ 20 W or "30" if 20 W < output Power ≤ 30 W or "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W XXXX represents output current, can be any 4 digit number not more than 1400 (mA) VV represents output voltage, can be any 2 digit number between 10 and 55 (Vdc) SD represents supply/load connection with leads, can be "SD", "S" or "SD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM50W-1400-55-TD, PP represents output power, = "15" if 10 W < output Power ≤ 15 W or = "20" if 15 W < output Power ≤ 20 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or = "50" if 40 W < output Power ≤ 50 W XXXX represents output current, any 4 digit number not more than 1400 (mA) VV represents output voltage, any 2 digit number between 10 and 55 (Vdc) TD represents supply/load connection with terminal block, can be "TD", "T" or "TD-X"	LED Drivers
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM65W-1233-55-TD-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM65W-1233-55-TN-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage,	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

= any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKM65W-1500-40-TN-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W	LED Drivers

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 UL-CA-2131003-1
Report Reference E343741-20210716
Date 2-Feb-2022

When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc) ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	
PKMPPW-XXXX-VV-ZZZZZZ-YYYYYY, PKMPP65W-1500-40-TD-HBL, PKM = Series name When YYYYY = “HBL”, PP represents output power, can be "15" if 10 W < output Power ≤ 16 W or = "30" if 20 W < output Power ≤ 30 W or = "40" if 30 W < output Power ≤ 40 W or "50" if 40 W < output Power ≤ 50 W or = "65" if 50 W < output Power ≤ 65 W When YYYYY = blank, PP represents output power, can be “15” if 10 W < output Power ≤ 15 W or = “20” if 15 W < output Power ≤ 20 W or = “30” if 20 W < output Power ≤ 30 W or = “40” if 30 W < output Power ≤ 40 W or = “50” if 40 W < output Power ≤ 50 W When YYYYY = “HBL”, XXXX represent output current, = any 4 digit number not more than 1500 (mA) when output power ≤ 60 W = any 4 digit number not more than 1233 (mA) when 60 W < output power ≤ 65 W When YYYYY = blank, XXXX represent output current, = any 4 digit number not more than 1400 (mA) When YYYYY = “HBL”, VV represents output voltage, = any 2 digit number between 24 and 40 (Vdc) when output power ≤ 60 W = any 2 digit number between 40 and 55 (Vdc) when 60 W < output power ≤ 65 W When YYYYY = blank, VV represents output voltage, = any 2 digit number between 10 and 55 (Vdc)	LED Drivers

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	UL-CA-2131003-1
Report Reference	E343741-20210716
Date	2-Feb-2022

ZZZZZZ may be replaced by 1-6 digits of any combination of alphanumeric characters in addition to the following or blank: = “TD” , “T”, “TD-X”, “TN” or “TN-X”: where “T” denotes Push-In Terminals “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “SD”, “S”, “SD-X”, “SN”, “SN-X”: where “S” denotes I/O lead wires exit at cover “D” denotes isolated wiring circuit provided “N” denotes non-isolated wiring circuit provided = “NS”, “NS-X”, “NN” or “NN-X”: where “S” denotes I/O lead wires exit at front and rear of enclosure 1st “N” denotes isolated wiring circuit provided 2nd “N” denotes non-isolated wiring circuit provided	

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/