

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E343741  
**Report Reference** E343741-20200629  
**Issue Date** 2020-JULY-08

**Issued to:** ENERGY RECOVERY PRODUCTS (ZHUHAI) CO LTD  
NANPING SCIENTIFIC TEC INDUSTRY PARK  
NO 8 PINGDONG RD 2  
ZHUHAI  
GUANGDONG 519060 CHINA

**This certificate confirms that  
representative samples of**

COMPONENT - DRIVERS FOR LIGHT-EMITTING-DIODE  
ARRAYS, MODULES AND CONTROLLERS  
See addendum page for Models/Product

Have been investigated by UL in accordance with the  
component requirements in the Standard(s) indicated on  
this Certificate. UL Recognized components are incomplete  
in certain constructional features or restricted in  
performance capabilities and are intended for installation in  
complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:**

UL 8750 - Light Emitting Diode (LED) Equipment For Use In  
Lighting Products  
CSA C22.2 No. 250.13-17 - Light emitting Diode (LED)  
Equipment for Lighting Applications

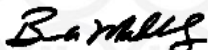
**Additional Information:**

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 Recognized Component Mark. Only  
the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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

Look for the UL Recognized Component 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/>



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

## Component LED Driver:

PTBPPW-XXXX-VV-YYYYYY-ZZZZZZ, PYBPPW-XXXX-VV-YYYYYY-ZZZZZZ  
PTMPPW-XXXX-VV-YYYYYY-ZZZZZZ, PYMPPW-XXXX-VV-YYYYYY-ZZZZZZ

Where

"PP"— If  $P_{out} < 10W$ , "PP"=10; if  $10W \leq P_{out} \leq 15W$ , "PP"=15; if  $15W < P_{out} \leq 20W$ , "PP"=20; if  $20W < P_{out} \leq 25W$ , "PP"=25; if  $25W < P_{out} \leq 29.4W$ , "PP"=30.

"XXXX" - Denotes regulated output current in mA. Regulated output current is not greater than max output regulated current within the output voltage range.

"VV" - Denotes maximum output voltage(in voltage) which is not greater than max output voltage range.

"YYYYYY" - Denotes customer code for market purpose only. It could be blank, 2-6 digits, any combination of alphanumeric characters or blank.

"ZZZZZZ" - Denotes customer code for market purpose only. It could be blank, 2-6 digits, any combination of alphanumeric characters or blank.

"PTB" and "PYB" – Denotes the housing was made of plastic.

"PTM" and "PYM" – Denotes the housing was made of steel.



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