

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140623-E343741  
**Report Reference** E343741-20140620  
**Issue Date** 2014-JUNE-23

**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** COMPONENT - DRIVERS FOR LIGHT-EMITTING-DIODE  
ARRAYS, MODULES AND CONTROLLERS  
Refer to addendum page for models

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

**Standard(s) for Safety:** UL 8750, Light Emitting Diode (LED) Equipment For Use In  
Lighting Products; CSA C22.2 No. 250.13, Light emitting  
Diode (LED) Equipment for Lighting Applications

**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 Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. 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. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and 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.

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 Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

UL LLC

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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.

USR, CNR- Component LED Driver, Series ESS0PPA-XXXX-VV-YYY-ZZZ.

Where "PP" – If  $P_{out} < 11W$ , "PP"=10; if  $11W < P_{out} < 15W$ , "PP"=15; if  $15W < P_{out} < 20W$ , "PP"=20; if  $20W < P_{out} < 30W$ , "PP"=30; if  $30W < P_{out} < 40W$ , "PP"=40.

"A" - Denotes input voltage code. If input rated 120Vac, "A"=U; if input rated 120-277Vac, "A"=W; if input rated 277Vac, "A"=V; if input rated 230Vac, "A"=E.

"XXXX" - Denotes regulated output current or could be blank. Regulated output current is not greater than max output regulated current within the output voltage range.

"VV" - Denotes maximum output voltage. It may be any voltage less than 58.

"YYY" - Denotes customer code for market purpose only, where "Y" represents 0-9, A-Z or blank.

"ZZZ" - Denotes customer code for market purpose only, where "Z" represents 0-9, A-Z or blank.



William R. Carney, Director, North American Certification Programs  
UL LLC

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