

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME

## CB TEST CERTIFICATE

Product

Electronic Controlgear for LED modules

Name and address of the applicant

Upowertek Co Ltd  
Room A105, #1213 Huoju South Road, Binjiang District  
Hangzhou, 310000 Zhejiang China

Name and address of the manufacturer

Upowertek Co Ltd  
Room A105, #1213 Huoju South Road, Binjiang District  
Hangzhou, 310000 Zhejiang China

Name and address of the factory

Note: When more than one factory, please report on page 2

Hangzhou Youte Power Co Ltd  
Room 101 Building B,Zhongxing Building,No.1213,  
Huojunan Road,Binjiang District  
Hangzhou, 310000 ZHEJIANG China Additional Information on page 2

Ratings and principal characteristics

Input: 220-240 VAC, 50/60 Hz; 0.48 A max,  $\lambda > 0.9$  C,

ta= 60°C, tc= 90 °C

Output: 17-38 V= , 2.8 Amax, 80Wmax, SELV  
(see Page 2 for details.)

Trademark / Brand (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

BSR-080-C280-ERE  
See Page 2

Additional information (if necessary may also be reported on page 2)

 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 61347-1:2015/AMD1:2017, IEC 61347-1:2015, IEC 61347-2-13:2014/AMD1:2016, IEC 61347-2-13:2014, IEC 62384:2006/AMD1:2009, IEC 62384:2006  
4789342103.1-1 issued on 2020-05-29, 4789342103.1-2 issued on 2020-05-29

As shown in the Test Report Ref. No. which forms part of this Certificate

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2020-06-11

Signature:

Jan-Erik Storgaard

**Model Details:**

BSR-020-abb-xyE-wwwwww, BSR-030-abb-xyE-wwwwww, BSR-040-abb-xyE-wwwwww,  
BSR-055-abb-xyE-wwwwww, BSR-080-abb-xyE-wwwwww

**Model Nomenclature:**

“a” represents the output type, C for constant current output, V for constant voltage output.

When “a” to be C, “bbb” represents the output current, b<sub>(1)</sub>b<sub>(2)</sub>b<sub>(3)</sub> represents b<sub>(1)</sub>.b<sub>(2)</sub>b<sub>(3)</sub> A in step of 10 mA, eg, 093 for 0.93 A output, 280 for 2.80 A output.

When “a” to be V, “bbb” represents the output voltage in step of one volt, eg, 012 for 12 V, 114 for 114 V output.

“wwwwww” can be any alphanumeric or blank for marketing purpose only.

“x” represents the dimming type as below, all dimming method can control the output current from 10% to 100% of rating.

N	Non-dimmable
D	0-10V Dimming(through Dim+ to Dim-)
E	0-10V/PWM/time dimming (through Dim+ to Dim-)
A	DALI Dimming(through DA1 to DA2)
T	Time Dimming(through Dim+ to Dim-)
M	DMX Dimming(through Dim+ to Dim-)

“y” represents the programmability as below, all program method can control the output current from 10% to 100% of rating. (through Dim+ to Dim-)

N	Non Programmable
R	Programmable

**Additional Information:**

Additionally evaluated to EN 61347-2-13:2014/ A1:2017, EN 61347-1:2015, EN 62384:2006/ A1:2009; National Differences specified in the CB Test Report.

Rating: (choose represent model)



Input: 220-240 VAC, 50/60 Hz; λ>0.9 C  
Output: SELV  
ta= 60°C, tc= 90 °C

Models	Vin (V~)	Freq Hz	Iinput (A)	Pinput (W)	Output Voltage (V=)	Io (A)	Max Pout (W)
BSR-080-abb-xyE-wwwwww	220-240 V~	50/60Hz	0.48	100	12-114	0.7-2.8	80
BSR-055-abb-xyE-wwwwww	220-240 V~	50/60Hz	0.34	70	12-114	0.48-2.8	55
BSR-040-abb-xyE-wwwwww	220-240 V~	50/60Hz	0.24	50	12-114	0.35-2.8	40
BSR-030-abb-xyE-wwwwww	220-240 V~	50/60Hz	0.19	38	12-114	0.27-2.5	30
BSR-020-abb-xyE-wwwwww	220-240 V~	50/60Hz	0.14	28	12-114	0.17-1.67	20

**Additional information (if necessary)**



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