



China

# Attestation of Conformity

No. N8AUK 086894 0052 Rev. 03

**Holder of Attestation:** **ZHONGSHAN PROTOSTAR  
optoelectronic Co.,Ltd**

No.6,Fuheng Dong Road, Yongxing Ind.Zone, Henglan Town  
528478 Zhongshan,Guangdong  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Electric insect killers / Equipment for  
varmint protection  
(Electric insect killer)**

This Attestation of Conformity is issued on a voluntary basis according to the Electrical Equipment (Safety) Regulations 2016 relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the regulation and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment.

For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64110190009706

**Date,** 2024-11-20

( Darius Guo )

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**UK  
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# Attestation of Conformity

No. N8AUK 086894 0052 Rev. 03

## Model(s):

### Series I:

#### N12W-(14W) series:

DK90-2X6L1, DK90B-2X6L1, JB20B-2X6L1, JB20C-2X6L1, JB20D-2X6L1, JB20E-2X6L1, JB20M-2X6L1, JB90D-2X6L1, JB90M-2X6L1, JR89-2X6L1, JR89A-2X6L1, JX888-2X6L1, SP100-2X6L1, SP100A-2X6L1, N85A-2X6L1, JB20F-2X6L1, JX80-2X6L1

#### N16W-(15W) series:

DK90-2X8L1, DK90B-2X8L1, JB20B-2X8L1, JB20C-2X8L1, JB20D-2X8L1, JB20E-2X8L1, JB20M-2X8L1, JB90D-2X8L1, JB90M-2X8L1, JR89-2X8L1, JR89A-2X8L1, JX888-2X8L1, N85A-2X8L1, JB20F-2X8L1, JX80-2X8L1

#### N20W-(17W) series:

B20E-2X10L1, B20P-2X10L1, DK90-2X10L1, DK90B-2X10L1, JA220D-2X10L1, JB20B-2X10L1, JB20C-2X10L1, JB20D-2X10L1, JB20E-2X10L1, JB20M-2X10L1, JB90D-2X10L1, JB90M-2X10L1, JR89-2X10L1, JR89A-2X10L1, JX888-2X10L1, N85A-2X10L1, JB20F-2X10L1, JX80-2X10L1

#### N30W-(19W) series:

B20E-2X15L1, B20P-2X15L1, DK90-2X15L1, DK90B-2X15L1, JA220D-2X15L1, JB20B-2X15L1, JB20C-2X15L1, JB20D-2X15L1, JB20E-2X15L1, JB20M-2X15L1, JB90D-2X15L1, JB90M-2X15L1, JR89-2X15L1, JR89A-2X15L1, JX888-2X15L1, N85A-2X15L1, SP100-2X15L1, SP100A-2X15L1, JB20F-2X15L1, JX80-2X15L1

#### N40W-(24W) series:

B20E-2X20L1, B20P-2X20L1, DK90-2X20L1, DK90B-2X20L1, JA220D-2X20L1, JB20B-2X20L1, JB20C-2X20L1, JB20D-2X20L1, JB20E-2X20L1, JB20M-2X20L1, JB90D-2X20L1, JB90M-2X20L1, JR89-2X20L1, JR89A-2X20L1, JX888-2X20L1, N85A-2X20L1, SP100-2X20L1, SP100A-2X20L1, JB20F-2X20L1, JX80-2X20L1

### Series II:

#### N12W-(7W) series:

DK90-2X6L2, DK90B-2X6L2, JB20B-2X6L2, JB20C-2X6L2, JB20D-2X6L2, JB20E-2X6L2, JB20M-2X6L2, JB90D-2X6L2, JB90M-2X6L2, JR89-2X6L2, JR89A-2X6L2, JX888-2X6L2, SP100-2X6L2, N85A-2X6L2, JB20F-2X6L2, BK-D06LN, BK-1012L, BK-812L, JC-8012BH, JC-K8012BH, YZ-12WJ, YZ-N12WJ, JG-120LED, JG-N120LED, JX80-2X6L2

#### N16W-(9W) series:

DK90-2X8L2, DK90B-2X8L2, JB20B-2X8L2, JB20C-2X8L2, JB20D-2X8L2, JB20E-2X8L2, JB20M-2X8L2, JB90D-2X8L2, JB90M-2X8L2, JR89-2X8L2, JR89A-2X8L2, JX888-2X8L2, N85A-2X8L2, JB20F-2X8L2, JX80-2X8L2

#### N20W-(12W) series:

B20E-2X10L2, DK90-2X10L2, DK90B-2X10L2, JA220D-2X10L2, JB20B-2X10L2, JB20C-2X10L2, JB20D-2X10L2, JB20E-

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2X10L2, JB20M-2X10L2, JB90D-2X10L2, JB90M-2X10L2, JR89-2X10L2, JR89A-2X10L2, JX888-2X10L2, N85A-2X10L2, JB20F-2X10L2, JX80-2X10L2

**N30W-(14W) series:**

B20E-2X15L2, DK90-2X15L2, DK90B-2X15L2, JA220D-2X15L2, JB20B-2X15L2, JB20C-2X15L2, JB20D-2X15L2, JB20E-2X15L2, JB20M-2X15L2, JB90D-2X15L2, JB90M-2X15L2, JR89-2X15L2, JR89A-2X15L2, JX888-2X15L2, N85A-2X15L2, SP100-2X15L2, JB20F-2X15L2, JX80-2X15L2

**N40W-(16W) series:**

B20E-2X20L2, DK90-2X20L2, DK90B-2X20L2, JA220D-2X20L2, JB20B-2X20L2, JB20C-2X20L2, JB20D-2X20L2, JB20E-2X20L2, JB20M-2X20L2, JB90D-2X20L2, JB90M-2X20L2, JR89-2X20L2, JR89A-2X20L2, JX888-2X20L2, N85A-2X20L2, SP100-2X20L2, JB20F-2X20L2, BK-D20LN, BK-1040L, BK-840L, JC-8040BH, JC-K8040BH, YZ-40WJ, YZ-N40WJ, JG-400LED, JG-N400LED, JX80-2X20L2

**Series III:**

**N12W-(14W) series:**

DK90-2X6L3, DK90B-2X6L3, JB20B-2X6L3, JB20C-2X6L3, JB20D-2X6L3, JB20E-2X6L3, JB20M-2X6L3, JB90D-2X6L3, JB90M-2X6L3, JR89-2X6L3, JR89A-2X6L3, JX888-2X6L3, SP100-2X6L3, SP100A-2X6L3, N85A-2X6L3, JB20F-2X6L3, JX80-2X6L3

**N16W-(16W) series:**

DK90-2X8L3, DK90B-2X8L3, JB20B-2X8L3, JB20C-2X8L3, JB20D-2X8L3, JB20E-2X8L3, JB20M-2X8L3, JB90D-2X8L3, JB90M-2X8L3, JR89-2X8L3, JR89A-2X8L3, JX888-2X8L3, N85A-2X8L3, JB20F-2X8L3, JX80-2X8L3

**N20W-(18W) series:**

B20E-2X10L3, B20P-2X10L3, DK90-2X10L3, DK90B-2X10L3, JA220D-2X10L3, JB20B-2X10L3, JB20C-2X10L3, JB20D-2X10L3, JB20E-2X10L3, JB20M-2X10L3, JB90D-2X10L3, JB90M-2X10L3, JR89-2X10L3, JR89A-2X10L3, JX888-2X10L3, N85A-2X10L3, JB20F-2X10L3, JX80-2X10L3

**N30W-(20W) series:**

B20E-2X15L3, B20P-2X15L3, DK90-2X15L3, DK90B-2X15L3, JA220D-2X15L3, JB20B-2X15L3, JB20C-2X15L3, JB20D-2X15L3, JB20E-2X15L3, JB20M-2X15L3, JB90D-2X15L3, JB90M-2X15L3, JR89-2X15L3, JR89A-2X15L3, JX888-2X15L3, N85A-2X15L3, SP100-2X15L3, SP100A-2X15L3, JB20F-2X15L3, JX80-2X15L3

**N40W-(25W) series:**

B20E-2X20L3, B20P-2X20L3, DK90-2X20L3, DK90B-2X20L3, JA220D-2X20L3, JB20B-2X20L3, JB20C-2X20L3, JB20D-2X20L3, JB20E-2X20L3, JB20M-2X20L3, JB90D-2X20L3, JB90M-2X20L3, JR89-2X20L3, JR89A-2X20L3, JX888-2X20L3, N85A-2X20L3, SP100-2X20L3, SP100A-2X20L3, JB20F-2X20L3,

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JX80-2X20L3

Series IV:

N12W-(9W) series:

DK90-2X6L4, DK90B-2X6L4, JB20B-2X6L4, JB20C-2X6L4, JB20D-2X6L4, JB20E-2X6L4, JB20M-2X6L4, JB90D-2X6L4, JB90M-2X6L4, JR89-2X6L4, JR89A-2X6L4, JX888-2X6L4, SP100-2X6L4, JX60-2X6L4, JB20F-2X6L4, JX80-2X6L4

N16W-(11W) series:

DK90-2X8L4, DK90B-2X8L4, JB20B-2X8L4, JB20C-2X8L4, JB20D-2X8L4, JB20E-2X8L4, JB20M-2X8L4, JB90D-2X8L4, JB90M-2X8L4, JR89-2X8L4, JR89A-2X8L4, JX888-2X8L4, N85A-2X8L4, JB20F-2X8L4, JX80-2X8L4

N20W-(14W) series:

B20E-2X10L4, DK90-2X10L4, DK90B-2X10L4, JA220D-2X10L4, JB20B-2X10L4, JB20C-2X10L4, JB20D-2X10L4, JB20E-2X10L4, JB20M-2X10L4, JB90D-2X10L4, JB90M-2X10L4, JR89-2X10L4, JR89A-2X10L4, JX888-2X10L4, N85A-2X10L4, JB20F-2X10L4, BK-D10LN, BK-1020L, BK-820L, JC-8020BH, JC-K8020BH, YZ-20WJ, YZ-N20WJ, JG-200LED, JG-N200LED, BK-D10LN, BK-1020L, BK-820L, JC-8020BH, JC-K8020BH, YZ-20WJ, YZ-N20WJ, JG-200LED, JG-N200LED, JX80-2X10L4

N30W-(17W) series:

B20E-2X15L4, DK90-2X15L4, DK90B-2X15L4, JA220D-2X15L4, JB20B-2X15L4, JB20C-2X15L4, JB20D-2X15L4, JB20E-2X15L4, JB20M-2X15L4, JB90D-2X15L4, JB90M-2X15L4, JR89-2X15L4, JR89A-2X15L4, JX888-2X15L4, N85A-2X15L4, SP100-2X15L4, JB20F-2X15L4, JX80-2X15L4

N40W-(23W) series:

B20E-2X20L4, DK90-2X20L4, DK90B-2X20L4, JA220D-2X20L4, JB20B-2X20L4, JB20C-2X20L4, JB20D-2X20L4, JB20E-2X20L4, JB20M-2X20L4, JB90D-2X20L4, JB90M-2X20L4, JR89-2X20L4, JR89A-2X20L4, JX888-2X20L4, N85A-2X20L4, SP100-2X20L4, JB20F-2X20L4, JX80-2X20L4

Series V:

N12W-(7W) series:

DK90-2X6L5, DK90B-2X6L5, JB20B-2X6L5, JB20C-2X6L5, JB20D-2X6L5, JB20E-2X6L5, JB20M-2X6L5, JB90D-2X6L5, JB90M-2X6L5, JR89-2X6L5, JR89A-2X6L5, JX888-2X6L5, SP100-2X6L5, JX60-2X6L5, JB20F-2X6L5, JX80-2X6L5

N16W-(9W) series:

DK90-2X8L5, DK90B-2X8L5, JB20B-2X8L5, JB20C-2X8L5, JB20D-2X8L5, JB20E-2X8L5, JB20M-2X8L5, JB90D-2X8L5, JB90M-2X8L5, JR89-2X8L5, JR89A-2X8L5, JX888-2X8L5, N85A-2X8L5, JB20F-2X8L5, JX80-2X8L5

N20W-(12W) series:

B20E-2X10L5, DK90-2X10L5, DK90B-2X10L5, JA220D-2X10L5, JB20B-2X10L5, JB20C-2X10L5, JB20D-2X10L5, JB20E-

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N30W-(13W) series:

B20E-2X15L5, DK90-2X15L5, DK90B-2X15L5, JA220D-2X15L5, JB20B-2X15L5, JB20C-2X15L5, JB20D-2X15L5, JB20E-2X15L5, JB20M-2X15L5, JB90D-2X15L5, JB90M-2X15L5, JR89-2X15L5, JR89A-2X15L5, JX888-2X15L5, N85A-2X15L5, SP100-2X15L5, JB20F-2X15L5, JX80-2X15L5

N40W-(17W) series:

B20E-2X20L5, DK90-2X20L5, DK90B-2X20L5, JA220D-2X20L5, JB20B-2X20L5, JB20C-2X20L5, JB20D-2X20L5, JB20E-2X20L5, JB20M-2X20L5, JB90D-2X20L5, JB90M-2X20L5, JR89-2X20L5, JR89A-2X20L5, JX888-2X20L5, N85A-2X20L5, SP100-2X20L5, JB20F-2X20L5, JX80-2X20L5

Series VI:

N12W-(15W) series:

DK90-2X6L6, DK90B-2X6L6, JB20B-2X6L6, JB20C-2X6L6, JB20D-2X6L6, JB20E-2X6L6, JB20M-2X6L6, JB90D-2X6L6, JB90M-2X6L6, JR89-2X6L6, JR89A-2X6L6, JX888-2X6L6, SP100-2X6L6, SP100A-2X6L6, N85A-2X6L6, JB20F-2X6L6, JX80-2X6L6

N16W-(18W) series:

DK90-2X8L6, DK90B-2X8L6, JB20B-2X8L6, JB20C-2X8L6, JB20D-2X8L6, JB20E-2X8L6, JB20M-2X8L6, JB90D-2X8L6, JB90M-2X8L6, JR89-2X8L6, JR89A-2X8L6, JX888-2X8L6, N85A-2X8L6, JB20F-2X8L6, JX80-2X8L6

N20W-(20W) series:

B20E-2X10L6, B20P-2X10L6, DK90-2X10L6, DK90B-2X10L6, JA220D-2X10L6, JB20B-2X10L6, JB20C-2X10L6, JB20D-2X10L6, JB20E-2X10L6, JB20M-2X10L6, JB90D-2X10L6, JB90M-2X10L6, JR89-2X10L6, JR89A-2X10L6, JX888-2X10L6, N85A-2X10L6, JB20F-2X10L6, JX80-2X10L6

N30W-(22W) series:

B20E-2X15L6, B20P-2X15L6, DK90-2X15L6, DK90B-2X15L6, JA220D-2X15L6, JB20B-2X15L6, JB20C-2X15L6, JB20D-2X15L6, JB20E-2X15L6, JB20M-2X15L6, JB90D-2X15L6, JB90M-2X15L6, JR89-2X15L6, JR89A-2X15L6, JX888-2X15L6, N85A-2X15L6, SP100-2X15L6, SP100A-2X15L6, JB20F-2X15L6, JX80-2X15L6

N40W-(26W) series:

B20E-2X20L6, B20P-2X20L6, DK90-2X20L6, DK90B-2X20L6, JA220D-2X20L6, JB20B-2X20L6, JB20C-2X20L6, JB20D-2X20L6, JB20E-2X20L6, JB20M-2X20L6, JB90D-2X20L6, JB90M-2X20L6, JR89-2X20L6, JR89A-2X20L6, JX888-2X20L6, N85A-2X20L6, SP100-2X20L6, SP100A-2X20L6, JB20F-2X20L6, JX80-2X20L6

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## Parameters:

Rated Voltage:	220-240V
Rated Frequency:	50-60Hz
Rated Power:	<p>14W(N12W-(14W) series);                      15W(N16W-(15W) series);                      17W(N20W-(17W) series);                      19W(N30W-(19W) series);                      24W(N40W-(24W) series);</p> <p>7W(N12W-(7W) series);                      9W(N16W-(9W) series);                      12W(N20W-(12W) series);                      14W(N30W-(14W) series);                      16W(N40W-(16W) series);</p> <p>14W(N12W-(14W) series);                      16W(N16W-(16W) series);                      18W(N20W-(18W) series);                      20W(N30W-(20W) series);                      25W(N40W-(25W) series);</p> <p>9W(N12W-(9W) series);                      11W(N16W-(11W) series);                      14W(N20W-(14W) series);                      17W(N30W-(17W) series);                      23W(N40W-(23W) series);</p> <p>7W(N12W-(7W) series);                      9W(N16W-(9W) series);                      12W(N20W-(12W) series);                      13W(N30W-(13W) series);                      17W(N40W-(17W) series);</p> <p>15W(N12W-(15W) series);                      18W(N16W-(18W) series);                      20W(N20W-(20W) series);                      22W(N30W-(22W) series);                      26W(N40W-(26W) series)</p>
Protection Class:	Class I
Degree of Protection:	<p>IPX4 (SP100A-2X6L1, SP100A-2X15L1, SP100A-2X20L1, B20P-2X10L1, B20P-2X15L1, B20P-2X20L1, SP100A-2X6L3, SP100A-2X15L3, SP100A-2X20L3, B20P-2X10L3, B20P-2X15L3, B20P-2X20L3, SP100A-2X6L6, SP100A-2X15L6, SP100A-2X20L6, B20P-2X10L6, B20P-2X15L6, B20P-2X20L6)</p> <p>IPX0(for other models)</p>

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**Tested  
according to:**

EN 60335-1:2012/A16:2023  
EN 60335-2-59:2003/A11:2018  
EN 62233:2008

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