



Product Service

Attestation of Conformity

No. N8A 086894 0023 Rev. 05

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 Low Voltage Directive 2014/35/EU 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 directive 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

Test report no.: 64110190009706

Date, 2024-11-20

(Darius Guo)

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No. N8A 086894 0023 Rev. 05

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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2X10L5, JB20M-2X10L5, JB90D-2X10L5, JB90M-2X10L5, JR89-2X10L5, JR89A-2X10L5, JX888-2X10L5, N85A-2X10L5, JB20F-2X10L5, JX80-2X10L5

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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