

CERTIFICATE

Issued to:
Applicant:
HEP Tech Co., Ltd.
No. 20, Jingke 7th Rd., Nantun Dist.,
40852 Taichung City, Taiwan

Licensee:
HEP GmbH
Ramsloh 10
58579 Schalksmühle, Germany

Product : Current controlled built-in LED Driver
Trade name(s) : HEP GROUP®
Type(s)/model(s) : G6R10W200LRP, G6R10W250LRP, G6R10W350LRP, G6R10W500LRP,
G6R10W600LRP, G6R10W700LRP, G6R15W300LRP, G6R15W350LRP,
G6R15W500LRP and G6R15W700LRP

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to EN 61347-1:2015/A1:2021, EN 61347-1:2015, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2013493

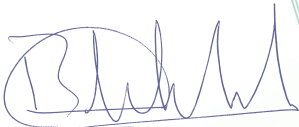
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

This certificate is issued on 11 April 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-138922

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



S. Lehner
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Current controlled built-in LED Driver
Trade name(s)	: HEP GROUP®
Type(s)/model(s)	: G6R10W200LRP, G6R10W250LRP, G6R10W350LRP, G6R10W500LRP, G6R10W600LRP, G6R10W700LRP, G6R15W300LRP, G6R15W350LRP, G6R15W500LRP and G6R15W700LRP
Rated supply voltage	: 220-240 Vac
Supply frequency	: 50-60 Hz
Degree of protection	: IP20
Classification of installation	: built-in

Product data – type G6R10W200LRP

Total circuit power	: 10,4 W
Rated supply current	: 60 mA
Power factor	: 0,87–0,9C
Rated output current	: 200 mA
Rated output power	: 6–8,4 W
Output voltage range	: 30–42 Vdc
Uout	: 65 V
Ambient temperature range (ta)	: -20...+60 °C
Max. case temperature (tc)	: 80 °C

Product data – type G6R10W250LRP

Total circuit power	: 13,0 W
Rated supply current	: 70 mA
Power factor	: 0,87C–0,95
Rated output current	: 250 mA
Rated output power	: 7,5–10,5 W
Output voltage range	: 30–42 Vdc
Uout	: 65 V
Ambient temperature range (ta)	: -20...+60 °C
Max. case temperature (tc)	: 80 °C

Product data – type G6R10W350LRP

Total circuit power	: 11,2 W
Rated supply current	: 65 mA
Power factor	: 0,8–0,9C
Rated output current	: 350 mA
Rated output power	: 4,6–9,1 W
Output voltage range	: 13–26 Vdc
Uout	: 38 V
Ambient temperature range (ta)	: -20...+60 °C
Max. case temperature (tc)	: 80 °C

Product data – type G6R10W500LRP

Total circuit power	: 12,3 W
Rated supply current	: 65 mA
Power factor	: 0,87–0,9C
Rated output current	: 500 mA
Rated output power	: 6–10 W
Output voltage range	: 12–20 Vdc

U_{out} : 28 V
Ambient temperature range (ta) : -20...+60 °C
Max. case temperature (tc) : 85 °C

Product data – type G6R10W600LRP

Total circuit power : 13,3 W
Rated supply current : 70 mA
Power factor : 0,87–0,9C
Rated output current : 600 mA
Rated output power : 7,2–10,8 W
Output voltage range : 12–18 Vdc
U_{out} : 28 V
Ambient temperature range (ta) : -20...+60 °C
Max. case temperature (tc) : 85 °C

Product data – type G6R10W700LRP

Total circuit power : 11,1 W
Rated supply current : 65 mA
Power factor : 0,84–0,9C
Rated output current : 700 mA
Rated output power : 6,1–9 W
Output voltage range : 8,6–12,9 Vdc
U_{out} : 25 V
Ambient temperature range (ta) : -20...+60 °C
Max. case temperature (tc) : 85 °C

Product data – type G6R15W300LRP

Total circuit power : 15,4 W
Rated supply current : 80 mA
Power factor : 0,87–0,9C
Rated output current : 300 mA
Rated output power : 7,2–12,9 W
Output voltage range : 24–43 Vdc
U_{out} : 63 V
Ambient temperature range (ta) : -20...+50 °C
Max. case temperature (tc) : 75 °C

Product data – type G6R15W350LRP

Total circuit power : 18,3 W
Rated supply current : 90 mA
Power factor : 0,87–0,92C
Rated output current : 350 mA
Rated output power : 8,4–15 W
Output voltage range : 24–43 Vdc
U_{out} : 63 V
Ambient temperature range (ta) : -20...+50 °C
Max. case temperature (tc) : 80 °C

Product data – type G6R15W500LRP

Total circuit power : 17,9 W
Rated supply current : 90 mA
Power factor : 0,87–0,92C
Rated output current : 500 mA

Rated output power	: 7,5–15 W
Output voltage range	: 15–30 Vdc
U _{out}	: 50 V
Ambient temperature range (t _a)	: -20...+50 °C
Max. case temperature (t _c)	: 80°C

Product data – type G6R15W700LRP

Total circuit power	: 17,9 W
Rated supply current	: 90 mA
Power factor	: 0,87–0,92C
Rated output current	: 700 mA
Rated output power	: 8,4–14,7 W
Output voltage range	: 12–21 Vdc
U _{out}	: 45 V
Ambient temperature range (t _a)	: -20...+50 °C
Max. case temperature (t _c)	: 80°C

TESTS**Test requirements**

EN 61347-1:2015/A1:2021
EN 61347-1:2015
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 343281300.

Additional information

The LED controlgears are a built-in SELV electronic controlgear with double or reinforced insulation for LEDs with constant current. The insulation between primary and secondary is SELV and between primary and housing is considered as double or reinforced insulation. The controlgears have free lead wires. The max. enclosure temperature under abnormal or fault conditions is 110°C.

The list of components is laid down in test report 3432813.50.

Conclusion

The examination proved that all requirements were met.

Factory locations

HEP GmbH
Ramsloh 10
58579 Schalksmühle, Germany

Weisen Electronic Co. Ltd.
No. 3 Yangchun Rd., Jinwan Dist.
519040 Zhuhai City Guangdong, China