

**Australian
Electrical
Safety
Approved**

	INPUT	OUTPUT
Standard		
Optional (Contact us for details)		



Power Supply Features

- IP67 / IP65 design for indoor or outdoor installations
- Universal AC input 90~305VAC
- Built-in active PFC function
- High efficiency up to 90.5%
- Fan-less design, cooling by free air convection
- -40°C ~ +70°C wide operating range
- Withstands 5G vibration test
- Meets 4KV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminium case, filled with heat-conductive glue
- Protection: Short circuit / Over current / Over voltage / Over temperature
- **Models available (see data sheet):**
 - A-type:** IP65 rated. Voltage and current limits can be adjusted by internal potentiometers
 - B-type:** IP67 rated. 3 in 1 dimming function (1~10VDC, PWM signal or resistance)
 - Blank-type:** IP67 rated. Cable for I/O connection
- Suitable for general industrial applications at high/low temperatures, high dust, high moisture, high vibration, esp. outdoor enclosure and LED lighting
- 7 year warranty



General Specifications (Please refer to www.procontech.com.au for detailed specs)

Model No.	HLG-40H	HLG-60H
AC input voltage range	90~305VAC; 127~431VDC	
AC inrush current (max)	Cold start, 50A at 230VAC	Cold start, 55A at 230VAC
DC adjustment range	±10% rated output voltage (A, AB-type only)	
Current adjustment range	60~100% rated output current adjustable by internal potentiometer (A, AB-type only)	
Over current protection	95~108% constant current limit (Vo = 60~100%), otherwise hiccup mode, auto-recovery	
Over voltage protection	109~145% rated output voltage, shut off, re-power on to recover	
Setup, rise, hold-up time	500ms, 80ms, 16ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC	
Working temperature	Tcase = -40°C ~ +80°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards	UL8750, CSA C22.2 No. 250.0-08, EN/J/KC/AS/NZS61347-1,-2-13*, EAC TP TC 004, IP65 or IP67 approved + others; *see data sheet	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EAC TP TC 020 approved + others	
Connection	Input	UL rated, SJTW 18AWGx3C – some supplied fitted with Australian mains plug and 1.8m lead
	Output	A/Blank-type: SVT 18AWGx2C (30cm); B/AB-type: SVT 18AWGx2C (30cm) + UL2517 18AWGx2C (30cm)
Size (LxWxH), Weight	171x61.5x36.8mm, 0.73kg	

HLG-40H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-40H-12(A)	12V, 0~3.33A	±2.5%	150mV	86.5%
HLG-40H-15(A)	15V, 0~2.67A	±2.0%	150mV	86.5%
HLG-40H-20(A)	20V, 0~2.00A	±1.0%	150mV	88.0%
HLG-40H-24(A)	24V, 0~1.67A	±1.0%	200mV	88.0%
HLG-40H-30(A)	30V, 0~1.34A	±1.0%	200mV	88.5%
HLG-40H-36(A)	36V, 0~1.12A	±1.0%	200mV	88.5%
HLG-40H-42(A)	42V, 0~0.96A	±1.0%	200mV	88.5%
HLG-40H-48(A)	48V, 0~0.84A	±1.0%	300mV	89.5%
HLG-40H-54(A)	54V, 0~0.75A	±1.0%	300mV	89.5%

○ = A, B, AB or Blank (AB = adjustable and dimming capability)

HLG-60H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-60H-15(A)	15V, 0~4.00A	±2.0%	150mV	87.5%
HLG-60H-20(A)	20V, 0~3.00A	±1.0%	150mV	89.0%
HLG-60H-24(A)	24V, 0~2.50A	±1.0%	150mV	89.5%

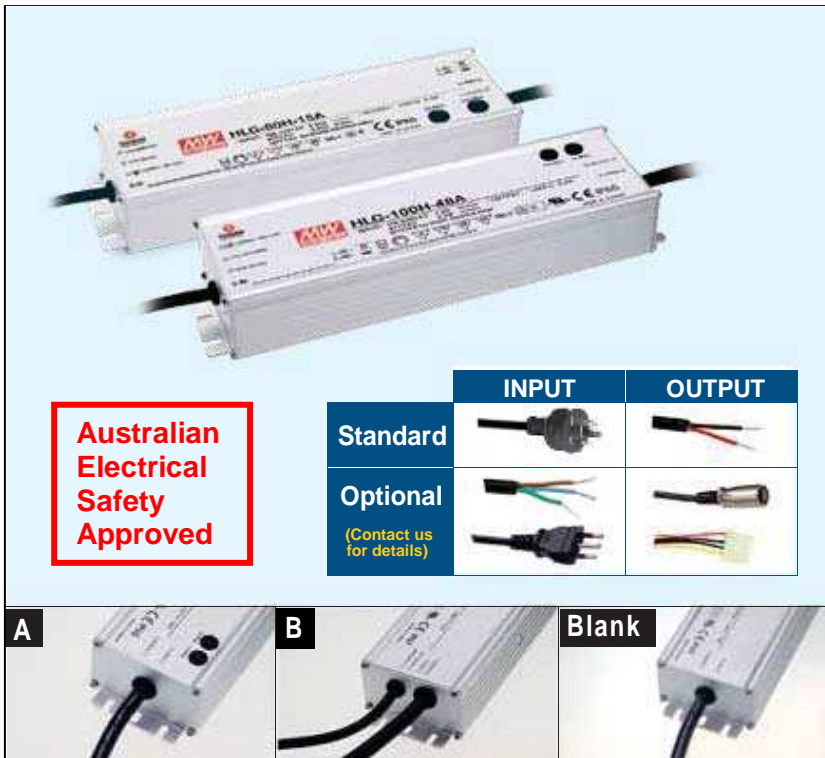
Model No.	Output	Tol.	R&N	Eff.
HLG-60H-30(A)	30V, 0~2.00A	±1.0%	200mV	90.0%
HLG-60H-36(A)	36V, 0~1.70A	±1.0%	200mV	90.0%
HLG-60H-42(A)	42V, 0~1.45A	±1.0%	300mV	90.0%
HLG-60H-48(A)	48V, 0~1.30A	±1.0%	300mV	90.5%
HLG-60H-54(A)	54V, 0~1.15A	±1.0%	300mV	90.5%

○ = A, B, AB or Blank

Surge Protection for HLG/HVG



- Optional 20kA Surge Protection Devices for all LED power supplies. Please contact us for details.
- The SPD-20 series for 240VAC or 277VAC with 10kV protection and the SPD-20HP series for 277VAC or 415VAC with 20kV protection.



Australian Electrical Safety Approved

	INPUT	OUTPUT
Standard		
Optional <small>(Contact us for details)</small>		



Power Supply Features

- IP67/IP65 design for indoor or outdoor installations
- Universal AC input 90~305VAC
- Built-in active PFC function
- High efficiency up to 93.5%
- Fan-less design, cooling by free air convection
- -40°C ~ +70°C wide operating range
- Withstands 5G vibration test
- Meets 4KV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminium case, filled with heat-conductive glue
- Protection: Short circuit / Over current / Over voltage / Over temperature
- **Models available (see data sheet):**
 - A-type:** IP65 rated. Voltage and current limits can be adjusted by internal potentiometers
 - B-type:** IP67 rated. 3 in 1 dimming function (1~10VDC, PWM signal or resistance)
 - Blank-type:** IP67 rated. Cable for I/O connection
- Suitable for general industrial applications at high/low temperatures, high dust, high moisture, high vibration, esp. outdoor environments and LED lighting
- 7 year warranty



General Specifications (Please refer to www.procontechology.com.au for detailed specs)

Model No.	HLG-80H	HLG-100H	HLG-120H
AC input voltage range	90~305VAC; 127~431VDC		
AC inrush current (max)	Cold start, 70A at 230VAC	Cold start, 60A at 230VAC	
DC adjustment range	±10% rated output voltage (A, AB-type only)		
Current adjustment range	60~100% rated output current adjustable by internal potentiometer (A, AB-type only)		50~100% (A, AB-type only)
Over current protection	95~108% constant current limiting (for HLG-80H $V_o = 60\sim 100\%$ otherwise hiccup mode), auto-recovery		
Over voltage protection	110~140% rated output voltage		
Setup, rise, hold-up time	500ms, 80ms, 16ms at full load and 230VAC	500ms, 50ms, 16ms	500ms, 50ms, 12ms
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC		
Working temperature	$T_{case} = -40^\circ\text{C} \sim +80^\circ\text{C}$ (refer to "OUTPUT LOAD vs TEMPERATURE")		
Safety standards	UL8750, CSA C22.2 No. 250.0-08, EN/J/KC/AS/NZS61347-1,-2-13*, EAC TP TC 004, IP65 or IP67 approved + others; *see data sheet		
EMC standards	EN55015, EN55032 class B (except for HLG-80H), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020		
Connection	Input	UL rated, SJTW 18AWGx3C (30cm) – some supplied fitted with Australian mains plug and 1.8m lead	
	Output	A/Blank-type: SVT 18AWGx2C (30cm); B/AB-type: SVT 18AWGx2C (30cm) + UL2517 18AWGx2C (30cm)	A/Blank-type: SJTW 14AWGx2C (30cm) ; B/AB-type: SJTW 14AWGx2C (30cm) + SJTW 18AWGx2C (30cm)
Size (LxWxH), Weight	195.6x6.5x38.8mm, 0.84kg	220x68x38.8mm, 1.12kg	

HLG-80H Series

Model No.	Output	Tol.	R&N	Eff.
HLG-80H-12(A)	12V, 0~5.0A	±2.5%	150mV	88.0%
HLG-80H-15(A)	15V, 0~5.0A	±2.0%	150mV	89.0%
HLG-80H-20(A)	20V, 0~4.0A	±1.0%	150mV	90.0%
HLG-80H-24(A)	24V, 0~3.4A	±1.0%	150mV	90.5%
HLG-80H-30(A)	30V, 0~2.7A	±1.0%	200mV	91.0%
HLG-80H-36(A)	36V, 0~2.3A	±1.0%	200mV	91.0%
HLG-80H-42(A)	42V, 0~1.95A	±1.0%	200mV	91.0%
HLG-80H-48(A)	48V, 0~1.7A	±1.0%	200mV	91.0%
HLG-80H-54(A)	54V, 0~1.5A	±1.0%	200mV	91.0%

○ = A, B, AB or Blank (AB = adjustable and dimming capability)

HLG-100H Series

Model No.	Output	Tol.	R&N	Eff.
HLG-100H-20(A)	20V, 0~4.8A	±1.0%	150mV	93%
HLG-100H-24(A)	24V, 0~4.0A	±1.0%	150mV	93%
HLG-100H-30(A)	30V, 0~3.2A	±1.0%	200mV	93%
HLG-100H-36(A)	36V, 0~2.65A	±1.0%	200mV	93%

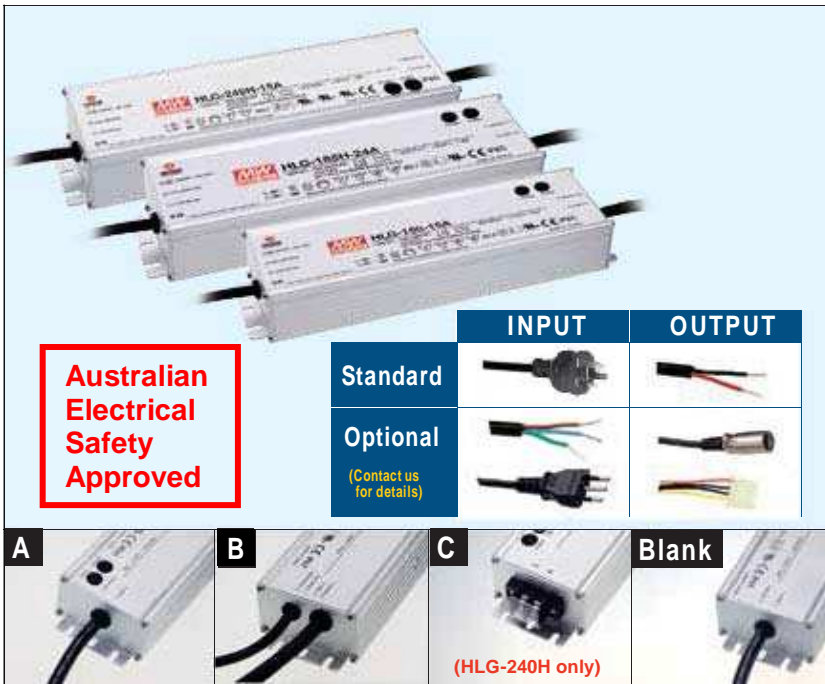
Model No.	Output	Tol.	R&N	Eff.
HLG-100H-42(A)	42V, 0~2.28A	±1.0%	200mV	93%
HLG-100H-48(A)	48V, 0~2.0A	±1.0%	200mV	93%
HLG-100H-54(A)	54V, 0~1.77A	±1.0%	200mV	93%

○ = A, B, AB or Blank

HLG-120H Series

Model No.	Output	Tol.	R&N	Eff.
HLG-120H-12(A)	12V, 0~10A	±2.5%	150mV	92.0%
HLG-120H-15(A)	15V, 0~8.0A	±2.0%	150mV	92.0%
HLG-120H-20(A)	20V, 0~6.0A	±1.0%	150mV	93.0%
HLG-120H-24(A)	24V, 0~5.0A	±1.0%	150mV	93.0%
HLG-120H-30(A)	30V, 0~4.0A	±1.0%	200mV	93.0%
HLG-120H-36(A)	36V, 0~3.4A	±1.0%	200mV	93.0%
HLG-120H-42(A)	42V, 0~2.9A	±1.0%	200mV	93.0%
HLG-120H-48(A)	48V, 0~2.5A	±1.0%	200mV	93.5%
HLG-120H-54(A)	54V, 0~2.3A	±1.0%	200mV	93.5%

○ = A, B, AB or Blank



Power Supply Features

- IP67/IP65 design for indoor or outdoor installations
- Universal AC input 90~305VAC
- Built-in active PFC function
- High efficiency up to 94%
- Fan-less design, cooling by free air convection
- -40°C ~ +70°C wide operating range
- Withstands 5G vibration test
- Meets 4KV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminium case, filled with heat-conductive glue
- Protection: Short circuit / Over current / Over voltage / Over temperature
- **Models available (see data sheet):**
 - A-type:** IP65 rated. Voltage and current limits can be adjusted by internal potentiometers
 - B-type:** IP67 rated. 3 in 1 dimming function (1~10VDC, PWM signal or resistance)
 - Blank-type:** IP67 rated. Cable for I/O connection
- Suitable for general industrial applications at high/low temperatures, high dust, high moisture, high vibration, esp. outdoor environments and LED lighting
- 7 year warranty



General Specifications (Please refer to www.procontechology.com.au for detailed specs)

Model No.	HLG-150H	HLG-185H	HLG-240H
AC input voltage range	90~305VAC; 127~431VDC		
AC inrush current (max)	Cold start, 65A at 230VAC		Cold start, 75A at 230VAC
DC adjustment range	±10% rated output voltage (A, AB-type only)		±6% rated output voltage (A, AB-type only)
Current adjustment range	50~100% rated output current adjustable by internal potentiometer (A, AB-type only)		
Over current protection	95~108% constant current limiting (for HLG-240H Vo = 50~100% otherwise hiccup mode), auto-recovery		
Over voltage protection	110~140% rated output voltage		
Setup, rise, hold-up time	500ms, 50ms, 16ms at full load and 230VAC		2500ms, 80ms, 15ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC		
Working temperature	Tcase = -40°C ~ +90°C (refer to "OUTPUT LOAD vs TEMPERATURE")		
Safety standards	UL8750, CSA C22.2 No. 250.0-08, EN/J/KC/AS/NZS61347-1,-2-13*, EAC TP TC 004, IP65* or IP67* approved + others UL1012, UL62368-1, TUV EN62368-1 approved for HLG-240H only; *except C type		
EMC standards	EN55015, EN55032 class B, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EAC TP TC 020 approved + others		
Connection	Input	UL rated, SJTW 18AWGx3C (30cm) – some supplied fitted with Australian mains plug and 1.8m lead; Terminal block for C-type (HLG-240H)	
	Output	A/Blank-type: SJTW 14AWGx2C (30cm); B/AB-type: SJTW 14AWGx2C (30cm)+ SJTW 18AWGx2C (30cm); C-type: Terminal block (HLG-240H option only)	
Size (LxWxH), Weight	A/B/Blank-type: 228x68x38.8mm, 1.15Kg		A/B/Blank-type: 244.2x68x38.8mm, 1.3Kg C-Type: 251x68x38.8mm, 1.23Kg

HLG-150H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-150H-12(A)	12V, 0~12.5A	±2.5%	150mV	91.5%
HLG-150H-15(A)	15V, 0~10.0A	±2.0%	150mV	92.0%
HLG-150H-20(A)	20V, 0~7.50A	±1.0%	150mV	93.0%
HLG-150H-24(A)	24V, 0~6.30A	±1.0%	150mV	93.0%
HLG-150H-30(A)	30V, 0~5.00A	±1.0%	200mV	93.5%
HLG-150H-36(A)	36V, 0~4.20A	±1.0%	200mV	93.5%
HLG-150H-42(A)	42V, 0~3.60A	±1.0%	200mV	94.0%
HLG-150H-48(A)	48V, 0~3.20A	±1.0%	200mV	94.0%
HLG-150H-54(A)	54V, 0~2.80A	±1.0%	200mV	94.0%

○ = A, B, AB or Blank (AB = adjustable and dimming capability)

Model No.	Output	Tol.	R&N	Eff.
HLG-185H-42(A)	42V, 0~4.40A	±1.0%	200mV	94.0%
HLG-185H-48(A)	48V, 0~3.90A	±1.0%	200mV	94.0%
HLG-185H-54(A)	54V, 0~3.45A	±1.0%	200mV	94.0%

○ = A, B, AB or Blank

HLG-185H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-185H-12(A)	12V, 0~13.0A	±2.5%	150mV	91.5%
HLG-185H-15(A)	15V, 0~11.5A	±2.0%	150mV	92.0%
HLG-185H-20(A)	20V, 0~9.30A	±1.0%	150mV	93.0%
HLG-185H-24(A)	24V, 0~7.80A	±1.0%	150mV	93.5%
HLG-185H-30(A)	30V, 0~6.20A	±1.0%	200mV	93.5%
HLG-185H-36(A)	36V, 0~5.20A	±1.0%	200mV	93.5%


HLG-240H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-240H-12(A)	12V, 0~16.0A	±2.5%	150mV	90.0%
HLG-240H-15(A)	15V, 0~15.0A	±2.0%	150mV	90.0%
HLG-240H-20(A)	20V, 0~12.0A	±1.0%	150mV	91.5%
HLG-240H-24(A)	24V, 0~10.0A	±1.0%	150mV	92.5%
HLG-240H-30(A)	30V, 0~8.00A	±1.0%	200mV	92.5%
HLG-240H-36(A)	36V, 0~6.70A	±1.0%	250mV	92.5%
HLG-240H-42(A)	42V, 0~5.72A	±1.0%	250mV	92.5%
HLG-240H-48(A)	48V, 0~5.00A	±1.0%	250mV	93.0%
HLG-240H-54(A)	54V, 0~4.45A	±1.0%	350mV	93.5%

○ = A, B, AB, C or Blank (C = terminal blocks for I/O connection)

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Remote on/off & +5V/0.5A output

	INPUT		OUTPUT	
	Standard	Optional (Contact us for details)	320W	600W
			320W	

HLG-320H

A

B

C

Blank

HLG-600H

A

B

Power Supply Features

- IP67/IP65 design for indoor or outdoor installations
- Universal AC input 90~305VAC
- Built-in active PFC function
- High efficiency up to 96%
- No load power consumption < 0.5W at remote off (HLG-600H)
- Fan-less design, cooling by free air convection
- -40°C ~ +70°C wide operating range
- Withstands 5G vibration test
- Meets 4KV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminium case, filled with heat-conductive glue
- Protection: Short circuit / Over current / Over voltage / Over temperature
- **Models available (see data sheet):**
 - A-type:** IP65 rated. Voltage and current limits can be adjusted by internal potentiometers
 - B-type:** IP67 rated. 3 in 1 dimming function (1~10VDC, PWM signal or resistance)
- **Type HL LED drivers for use in Class I, Division 2 hazardous location lighting applications**
- **Suitable for general industrial applications at high/low temperatures, high dust, high moisture, high vibration, esp. outdoor environments and LED lighting**
- **7 year warranty**



General Specifications (Please refer to www.procontech.com.au for detailed specs)

Model No.	HLG-320H	HLG-600H
AC input voltage range	90~305VAC; 127~431VDC	
AC inrush current (max)	Cold start, 70A at 230VAC	
DC adjustment range	-15% ~ +13.3% rated output voltage (A, AB-type only)	-15% ~ +5% rated output voltage (A, AB-type only)
Current adjustment range	50~100% rated output current adjustable by internal potentiometer (A, AB-type only)	
Over current protection	95~108% constant current limiting (for HLG-320H $V_o = 50\sim 100\%$ otherwise hiccup mode), auto-recovery	
Over voltage protection	110~140% rated output voltage	
Setup, rise, hold-up time	500ms, 80ms, 15ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC	
Working temperature	$T_{case} = -40^{\circ}C \sim +90^{\circ}C$ (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards	UL8750, EN/J/KC/AS/NZS61347-1,-2-13*, EAC TP TC 004, IP65 or IP67 approved + others; *see data sheet	UL8750, EN61347-1,-2-13, ENEC EN61347-1,-2-13, UL62368-1, AS/NZS60950.1 (by CB), EAC TP TC 004, IP65 or IP67 approved
EMC standards	EN55015, EN55032 class B, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EAC TP TC 020 approved + others	
Connection	Input	UL rated, SJTW 18 AWGx3C (30cm) – some supplied fitted with Australian mains plug and 1.8m lead; Terminal block for C-type (HLG-320H)
	Output	A/Blank-type: SJTW 14AWGx2C (30cm); B/AB-type: SJTW 14AWGx2C (30cm) + SJTW 18AWGx2C (30cm); A/Blank-type: SJTW 14AWGx2C (30cm) + SJTW 14AWGx2C (30cm) (30cm) + UL2517 22AWGx3C (30cm) B/AB-type: SJTW 14AWGx2C (30cm) + SJTW 14AWGx2C (30cm) + UL2517 22AWGx3C (30cm) + 18AWGx2C (30cm)
Size (LxWxH), Weight	252x90x43.8mm, 1.88Kg	280x144x48.5mm, 3.9Kg

HLG-320H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-320H-12 (A)	12V, 0~22.0A	±3.0%	150mV	91.0%
HLG-320H-15 (A)	15V, 0~19.0A	±2.0%	150mV	92.5%
HLG-320H-20 (A)	20V, 0~15.0A	±1.5%	150mV	93.5%
HLG-320H-24 (A)	24V, 0~13.34A	±1.0%	150mV	94.0%
HLG-320H-30 (A)	30V, 0~10.7A	±1.0%	200mV	94.0%
HLG-320H-36 (A)	36V, 0~8.90A	±1.0%	250mV	94.5%
HLG-320H-42 (A)	42V, 0~7.65A	±1.0%	250mV	95.0%
HLG-320H-48 (A)	48V, 0~6.70A	±1.0%	250mV	95.0%
HLG-320H-54 (A)	54V, 0~5.95A	±1.0%	350mV	95.0%

○ = A, B, AB, C or Blank (AB = adjustable and dimming capability)

HLG-600H Series



Model No.	Output	Tol.	R&N	Eff.
HLG-600H-12 (A)	12V, 0~40A	±3.0%	150mV	92.0%
HLG-600H-15 (A)	15V, 0~36A	±2.0%	150mV	93.5%
HLG-600H-20 (A)	20V, 0~28A	±1.5%	150mV	94.5%
HLG-600H-24 (A)	24V, 0~25A	±1.0%	150mV	95.0%
HLG-600H-30 (A)	30V, 0~20A	±1.0%	200mV	95.0%
HLG-600H-36 (A)	36V, 0~16.7A	±1.0%	250mV	95.5%
HLG-600H-42 (A)	42V, 0~14.3A	±1.0%	250mV	96.0%
HLG-600H-48 (A)	48V, 0~12.5A	±1.0%	250mV	96.0%
HLG-600H-54 (A)	54V, 0~11.2A	±1.0%	350mV	96.0%

○ = A, B, AB or Blank (Blank = special order only)

Features of the HLG Series Family

Built-in active PFC function and current limited output, the full range of HLG family features high IP level (IP65 or IP67), 5G anti-vibration, high efficiency (86.5~96%) and 4KV anti-surge capability. Along with a 7year warranty and a fan-less design, the whole family can be cooled by free air convection from -40°C to +70°C ambient temperature, so that they can be installed in all kinds of harsh environments - both indoors and outdoors with high dust, high moisture, high vibration, high ambient temperatures or extremely low temperatures, or in any machine equipment that requires low noise. In addition to the indoor/outdoor LED lighting applications, the HLG family is also a good solution in harsh environments such as industrial applications (low voltage conveyor systems), electronic message boards or displays, electric vehicle charging and outdoor electrical equipment etc. e.g. stadium and street lighting!