

**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%
- Fanless design, cooling by free air convection
- -40~+70°C wide operating range
- Withstand 5G vibration test
- Meet 4kV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminum case and filling with heat-conducted glue
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Multiple models for choice:
  - A-Type:** IP65 rated. Vo and Io can be adjusted through internal potentiometer
  - B-Type:** IP67 rated and built-in 3 in 1 dimming function (1~10VDC, PWM signal, or resistance)
  - Blank-Type:** IP67 rated. Cable for I/O connection
- Optional CQC models available (HLG-40H/60H-A/Blank Type)
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, or outdoor environment
- 5 years warranty

**General Specification**

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-Type only)	
Current adjustment range	60%~100% rated output current adjustable by internal potentiometer (A-Type only)	
Over current protection	95%~108% constant current limiting, 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	-40~+70°C (refer to output derating curve)	
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 approved	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547	
Connection	Input	UL rated, SJTW 18AWGx3C (30cm)
	Output	A/Blank-Type: SVT 18AWGx2C (30cm); B-Type: SVT 18AWGx2C (30cm)+UL2517 18AWGx2C (30cm)
Dimension (LxWxH)(mm)	171x 61.5x 36.8	

**HLG-40H Series**



Model No.	Output	Tol.	R&N	Effi.
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 or Blank

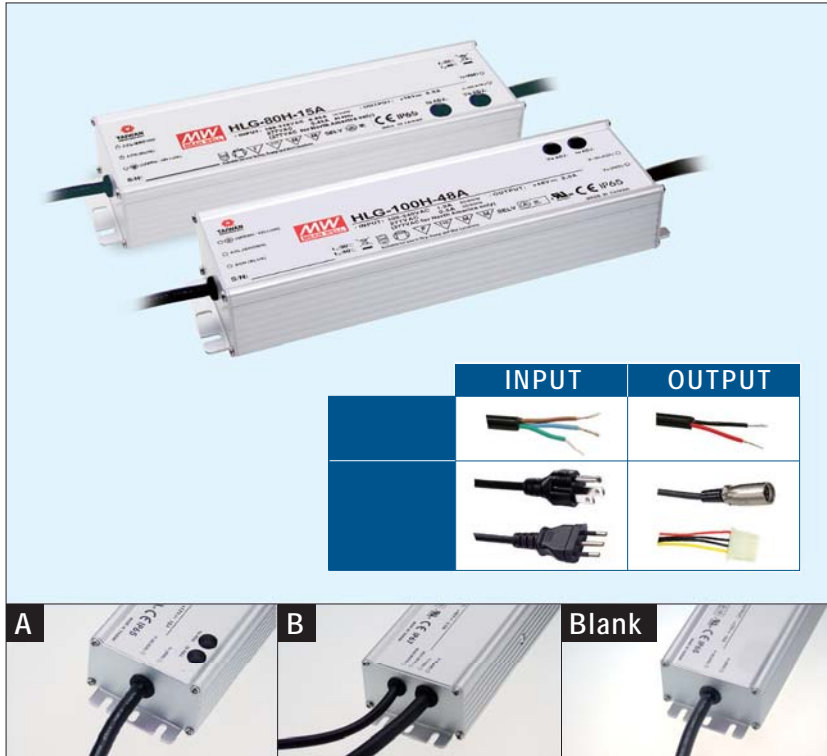
Model No.	Output	Tol.	R&N	Effi.
HLG-60H-30(A)	30V, 0~2.00A	±1.0%	200mV	90.0%
HLG-60H-36(A)	36V, 0~1.70A	±1.0%	200mV	90.0%
HLG-60H-42(A)	42V, 0~1.45A	±1.0%	300mV	90.0%
HLG-60H-48(A)	48V, 0~1.30A	±1.0%	300mV	90.5%
HLG-60H-54(A)	54V, 0~1.15A	±1.0%	300mV	90.5%

○ = A, B or Blank

**HLG-60H Series**



Model No.	Output	Tol.	R&N	Effi.
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%



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- Universal AC input 90~305VAC
- Built-in active PFC function
- High efficiency up to 93.5%
- Fanless design, cooling by free air convection
- -40~+70°C wide operating range
- Withstand 5G vibration test
- Meet 4kV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminum case and filling with heat-conducted glue
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Multiple models for choice:
  - A-Type:** IP65 rated. Vo and Io can be adjusted through internal potentiometer
  - B-Type:** IP67 rated and built-in 3 in 1 dimming function (1~10VDC, PWM signal, or resistance)
  - Blank-Type:** IP67 rated. Cable for I/O connection
- Optional CQC models available (HLG-80H/100H/120H-A/Blank Type)
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, or outdoor environment
- 5 years warranty

**General Specification**

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-Type only)		
Current adjustment range	60%~100% rated output current adjustable by internal potentiometer (A-Type only)		
Over current protection	95%~108% constant current limiting, 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	-40~+70°C (refer to output derating curve)		
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 approved; UL8750 listed for HLG-80H-□BL only		
EMC standards	EN55015, EN55022 class B (except for HLG-80H), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547		
Connection	Input	UL rated, SJTW 18AWGx3C (30cm)	
	Output	A/Blank-Type: SVT 18AWGx2C (30cm); B-Type: SVT 18AWGx2C (30cm)+UL2517 18AWGx2C (30cm)	A/Blank-Type: SJTW 14AWGx2C (30cm) ; B-Type: SJTW 14AWGx2C (30cm)+SJTW 18AWGx2C(30cm)
Dimension (LxWxH)(mm)	195.6x 61.5x 38.8	220x 68x 38.8	

**HLG-80H Series**

Model No.	Output	Tol.	R&N	Effi.
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, BL or Blank

Model No.	Output	Tol.	R&N	Effi.
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 or Blank

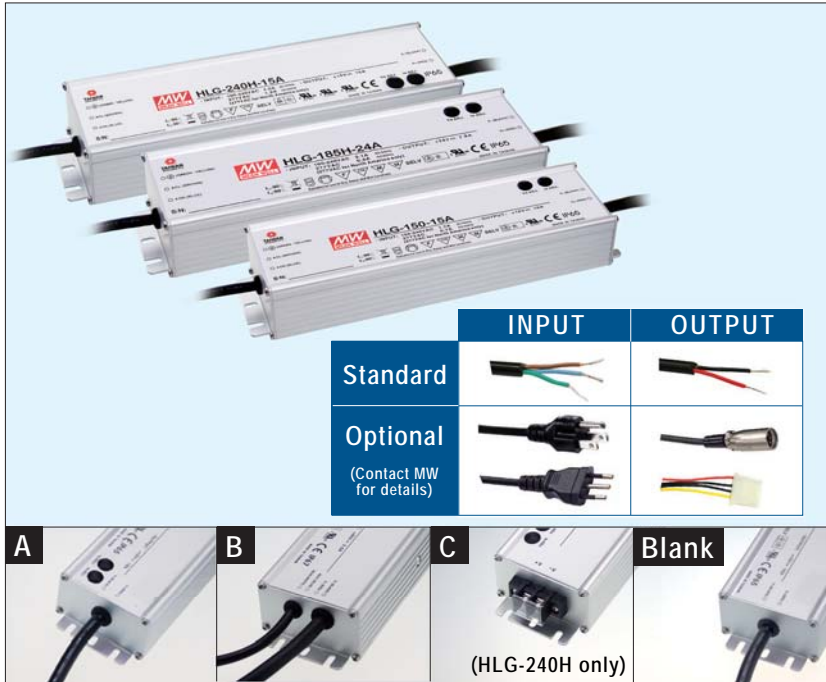
**HLG-120H Series**

Model No.	Output	Tol.	R&N	Effi.
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 or Blank

**HLG-100H Series**

Model No.	Output	Tol.	R&N	Effi.
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%



### Features

- IP67 / IP65 design for indoor or outdoor installations
- Universal AC input 90~305VAC
- Built-in active PFC function
- High efficiency up to 94%
- Fanless design, cooling by free air convection
- -40~+70°C wide operating range
- Withstand 5G vibration test
- Meet 4kV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminum case and filling with heat-conducted glue
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Type HL LED drivers for use in Class I, Division 2 hazardous location luminaires
- Multiple models for choice:
  - A-Type:** IP65 rated. Vo and Io can be adjusted through internal potentiometer
  - B-Type:** IP67 rated and built-in 3 in 1 dimming function (1~10VDC, PWM signal, or resistance)
  - C-Type:** Terminal block for I/O connection (HLG-240H)
  - Blank-Type:** IP67 rated. Cable for I/O connection
- Optional CQC models available (HLG-150H/185H/240H-A/Blank Type)
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, or outdoor environment
- 5 years warranty

### General Specification

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-Type only)		±6% rated output voltage (A-Type only)
Current adjustment range	60%~100% rated output current adjustable by internal potentiometer (A-Type only)		
Over current protection	95%~108% constant current limiting, auto-recovery		
Over voltage protection	110%~140% rated output voltage		
Setup, rise, hold up time	500ms, 50ms, 16ms at full load and 230VAC		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	-40~+70°C (refer to output derating curve)		
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 (except for C-Type) approved; UL1012, UL60950-1, TUV EN60950-1 approved for HLG-240H only		
EMC standards	EN55015, EN55022 class B, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547		
Connection	Input	UL rated, SJTW 18AWGx3C (30cm); Terminal block for C-Type (HLG-240H only)	
	Output	A & Blank-Type: SJTW 14AWGx2C (30cm); B-Type: SJTW 14AWGx2C (30cm)+SJTW 18AWGx2C (30cm); C-Type: Terminal block (HLG-240H only)	
Dimension (LxWxH)(mm)	A/B/Blank-Type: 228x68x38.8		A/B/Blank-Type: 244.2x68x38.8 C-Type: 251x68x38.8

### HLG-150H Series



Model No.	Output	Tol.	R&N	Effi.
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 or Blank

Model No.	Output	Tol.	R&N	Effi.
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 or Blank

### HLG-185H Series



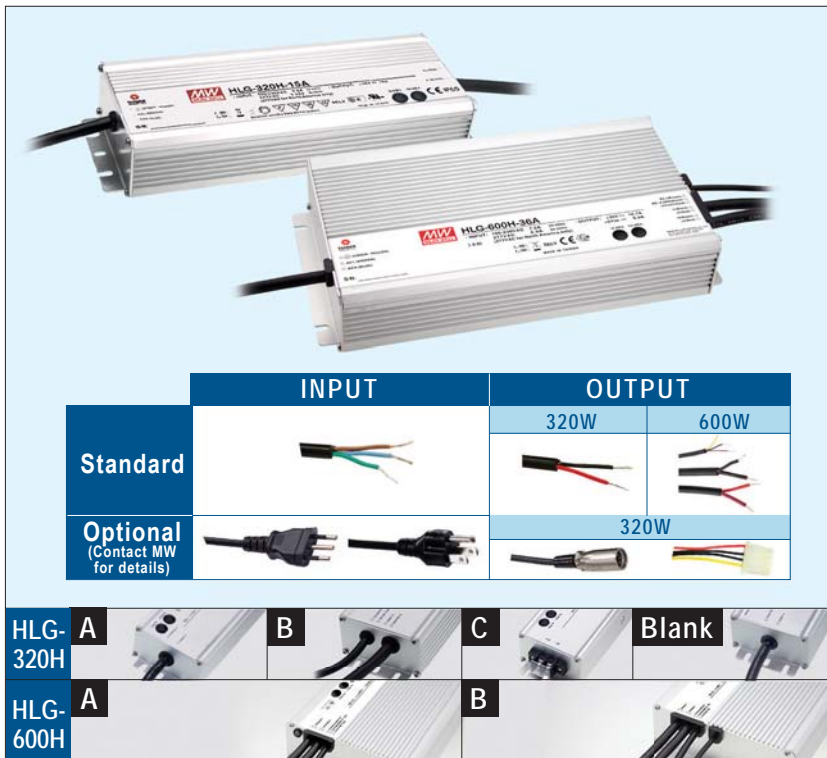
Model No.	Output	Tol.	R&N	Effi.
HLG-185H-12(A)	12V, 0~13.0A	±2.5%	150mV	91.5%
HLG-185H-15(A)	15V, 0~11.5A	±2.0%	150mV	92.0%
HLG-185H-20(A)	20V, 0~9.30A	±1.0%	150mV	93.0%
HLG-185H-24(A)	24V, 0~7.80A	±1.0%	150mV	93.5%
HLG-185H-30(A)	30V, 0~6.20A	±1.0%	200mV	93.5%
HLG-185H-36(A)	36V, 0~5.20A	±1.0%	200mV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

### HLG-240H Series



Model No.	Output	Tol.	R&N	Effi.
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, C or Blank



## 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)
- Fanless design, cooling by free air convection
- -40~+70°C wide operating range
- Withstand 5G vibration test
- Meet 4kV surge immunity level (IEC61000-4-5)
- Built-in constant current limiting circuit
- Aluminum case and filling with heat-conducted glue
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Type HL LED drivers for use in Class I, Division 2 hazardous location luminaires
- Multiple models for choice:
  - A-Type:** IP65 rated. Vo and Io can be adjusted through internal potentiometer
  - B-Type:** IP67 rated and built-in 3 in 1 dimming function (1~10VDC, PWM signal, or resistance)
  - C-Type:** Terminal block for I/O connection (HLG-320H)
  - Blank-Type:** IP67 rated. Cable for I/O connection (HLG-320H)
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, or outdoor environment
- LED indicator for power on (HLG-600H A-Type only)
- 5 years warranty

## General Specification

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-Type&C-Type)	-15%~+5% rated output voltage (A-Type only)
Current adjustment range	50%~100% rated output current adjustable by internal potentiometer (A-Type&HLG-320H C-Type only)	
Over current protection	95%~108% constant current limiting, 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	-40~+70°C (refer to output derating curve)	
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 (HLG-320H A/B/Blank-Type only) approved	UL8750, EN61347-1, ENEC EN61347-2-13, UL60950-1 approved
EMC standards	EN55015, EN55022 class B, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547	
Connection	Input	UL rated, SJTW 18AWGx3C (30cm); HLG-320H C-Type: Terminal block
	Output	A & Blank-Type: SJTW 14AWGx2C (30cm) ; B-Type: SJTW 14AWGx2C (30cm)+SJTW 18AWGx2C (30cm); C-Type: Terminal block
Dimension (LxWxH)(mm)	252x 90x 43.8	280x 144x 48.5

## HLG-320H Series



Model No.	Output	Tol.	R&N	Effi.
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, C or Blank

## HLG-600H Series



Model No.	Output	Tol.	R&N	Effi.
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