

# ELG-C series

75~150W Metal Case with PFC

## Features

- Constant current mode
- Universal AC input (up to 305VAC) / Full range
- High efficiency up to 92%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations
- Suitable for LED lighting and street lighting applications
- Protections:
  - Short circuit / Over voltage / Over temperature

- Multiple models for choice:
  - A-Type:** IP65 rated. Constant current level can be adjusted through internal potentiometer
  - B-Type:** IP67 rated and built-in 3 in 1 dimming function (0~10VDC, PWM signal, or resistance)
  - Blank-Type:** IP67 rated. Cable for I/O connection
  - D2-Type:** IP67 rated. Smart timer dimming function\*, contact MEAN WELL for details
  - DA-Type:** IP67 rated. DALI control technology
  - BE-Type:** IP67 rated. 3 in 1 dimming function and 15V/400mA auxiliary output (ELG-150-C only)
- Optional CCC models available
- 5 years warranty



	ELG-75-C	ELG-100-C	ELG-150-C
AC input voltage range	100~305VAC; 142~431VDC		
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 40A at 230VAC	Cold start, 65A at 230VAC
Current adjustment range	50%~100% via potentiometer (A-Type only)		
Over voltage protection	105%~145% rated output voltage		
Over temperature protection	Shut down o/p voltage, re-power on to recover		
Setup time	500ms at 230VAC		
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC		
Working temperature	Tcase=-40~+85°C	Tcase=-40~+90°C	Tcase=-40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750, ENEC EN61347-1, EN61347-2-13, EN62384 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 18AWG x2C (30cm)	
	Output	Blank/A-Type: SJTW 18AWGx2C (30cm) B/D2/DA-Type: SJTW 18AWGx2C (30cm)+UL2517 22AWGx2C (30cm)	Blank/A-Type: STW 18AWGx2C (30cm) for ELG-150-C500; SJTW 18AWGx2C (30cm) for others B/D2/DA-Type: STW 18AWGx2C (30cm)+UL2517 22AWGx2C (30cm) for ELG-150-C500 ; SJTW 18AWGx2C (30cm)+UL2517 22AWGx2C (30cm) for others BE-Type: STW 18AWGx2C (30cm)+UL2464 22AWGx2C (30cm)+UL2464 18AWGx2C (30cm) for ELG-150-C500; SJTW 18AWGx2C (30cm) +UL2464 22AWGx2C (30cm)+UL2464 18AWGx2C (30cm) for others
Dimension (LxWxH) (mm)	180x 63x 35.5	199x 63x 35.5	219x 63x 35.5

## ELG-75-C Series

Model No.	Output	Tol.	R&N	Effi.
ELG-75-C350(A)	107~214V, 350mA	±5%	2Vp-p	91%
ELG-75-C500(A)	75~150V, 500mA	±5%	1.5Vp-p	91%
ELG-75-C700(A)	53~107V, 700mA	±5%	1.0Vp-p	90%
ELG-75-C1050(A)	35~71V, 1050mA	±5%	1.0Vp-p	90%
ELG-75-C1400(A)	27~54V, 1400mA	±5%	0.5Vp-p	90%

○ = Blank, A, B, D2 or DA

## ELG-100-C Series

Model No.	Output	Tol.	R&N	Effi.
ELG-100-C350(A)	143~286V, 350mA	±5%	3Vp-p	92%
ELG-100-C500(A)	100~200V, 500mA	±5%	2.0Vp-p	91%
ELG-100-C700(A)	71~143V, 700mA	±5%	1.5Vp-p	90%

Model No.	Output	Tol.	R&N	Effi.
ELG-100-C700(A)	71~143V, 700mA	±5%	1.5Vp-p	90%
ELG-100-C1050(A)	48~95V, 1050mA	±5%	1.0Vp-p	90%
ELG-100-C1400(A)	35~72V, 1400mA	±5%	1.0Vp-p	90%

○ = Blank, A, B, D2 or DA

## ELG-150-C Series

Model No.	Output	Tol.	R&N	Effi.
ELG-150-C500(A)	150~300V, 500mA	±5%	2Vp-p	92%
ELG-150-C700(A)	107~214V, 700mA	±5%	1.5Vp-p	92%
ELG-150-C1050(A)	72~143V, 1050mA	±5%	1.0Vp-p	92%
ELG-150-C1400(A)	54~107V, 1400mA	±5%	1.0Vp-p	91%
ELG-150-C1750(A)	43~86V, 1750mA	±5%	0.8Vp-p	91%
ELG-150-C2100(A)	36~72V, 2100mA	±5%	0.8Vp-p	91%

○ = Blank, A, B, D2, DA or BE

\*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

# ELG-C series

200~240W Metal Case with PFC

## Features

- Constant current mode
- Universal AC input (up to 305VAC) / Full range
- High efficiency up to 93%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations
- Suitable for LED lighting and street lighting applications
- Protections:
  - Short circuit / Over voltage / Over temperature

- Multiple models for choice:
  - A-Type:** IP65 rated. Constant current level can be adjusted through internal potentiometer
  - B-Type:** IP67 rated and built-in 3 in 1 dimming function (0~10VDC, PWM signal, or resistance)
  - Blank-Type:** IP67 rated. Cable for I/O connection
  - D2-Type:** IP67 rated. Smart timer dimming function\*, contact MEAN WELL for details
  - DA-Type:** IP67 rated. DALI control technology
- 5 years warranty



		ELG-200-C	ELG-240-C
AC input voltage range		100~305VAC; 142~431VDC	
AC inrush current (max.)		Cold start, 65A at 230VAC	
Current adjustment range		50%~100% via potentiometer (A-Type only)	
Over voltage protection		105%~145% rated output voltage	
Over temperature protection		Shut down o/p voltage, re-power on to recover	
Setup time		500ms at 230VAC	
Withstand voltage		I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC	
Working temperature		Tcase=-40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards		UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1 approved (ELG-200-C pending)	
EMC standards		EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1	
Connection	Input	UL rated, SJOW 17AWGx2C & H05RN-F 1mm <sup>2</sup>	
	Output	Blank/A-Type: STW 18AWGx2C for ELG-200/240-C700U; SJOW 17AWGx2C & H05RN-F 1mm <sup>2</sup> for others; B/D2/DA-Type: STW 18AWGx2C+UL2517 22AWGx2C for ELG-200/240-C700U; SJOW 17AWGx2C & H05RN-F 1mm <sup>2</sup> +UL2517 22AWGx2C for others	
Dimension (LxWxH) (mm)		244x 71x 35.5	

## ELG-200-C Series

UL/CUL/ENEC/CB/CCC/CE pending

Model No.	Output	Tol.	R&N	Effi.
ELG-200-C700(A)	142~286V, 700mA	±5%	2.5Vp-p	93%
ELG-200-C1050(A)	95~190V, 1050mA	±5%	2.5Vp-p	93%
ELG-200-C1400(A)	71~142V, 1400mA	±5%	1.5Vp-p	92%
ELG-200-C1750(A)	57~114V, 1750mA	±5%	1.0Vp-p	92%
ELG-200-C2100(A)	48~96V, 2100mA	±5%	1.0Vp-p	92%

## ELG-240-C Series

Model No.	Output	Tol.	R&N	Effi.
ELG-240-C700(A)	172~343V, 700mA	±5.0%	2.5Vp-p	93%
ELG-240-C1050(A)	114~228V, 1050mA	±5.0%	2.5Vp-p	93%
ELG-240-C1400(A)	86~ 71V, 1400mA	±5.0%	1.5Vp-p	93%
ELG-240-C1750(A)	69~137V, 1750mA	±5.0%	1.0Vp-p	93%
ELG-240-C2100(A)	57~115V, 2100mA	±5.0%	1.0Vp-p	93%

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