

ELG series

75~150W Metal Case with PFC

Features

- Constant voltage+constant current modes
- Universal AC input (up to 305VAC) / Full range
- High efficiency up to 91%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Class 2 power unit
- 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 current / Over voltage / Over temp.

- Multiple models for choice:
 - A-Type:** IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer
 - B-Type:** IP67 rated. Constant current level adjustable through output cable with **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 only)
- Optional CCC models available
- 5 years warranty



	ELG-75	ELG-100	ELG-150
AC input voltage range	100~305VAC ; 142~431VDC		
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 60A at 230VAC	Cold start, 65A at 230VAC
DC adjustment range	±10% rated output voltage (A-Type only)		
Current adjustment range	50%~100% via potentiometer (A-Type only)		
Over current protection	95%~108% constant current limiting, auto-recovery		
Over voltage protection	110%~140% rated output voltage		
Over temp. protection	Shut down o/p voltage, re-power on to recover		
Setup, rise, hold up time	500ms, 100ms, 10ms 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~+85°C	Tcase= -40~+90°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 18AWGx2C (30cm)	
	Output	Blank/A-Type: SJTW 18AWGx2C (30cm) B/D2/DA-Type: SJTW 18AWGx2C (30cm)+ UL2517 22AWGx2C (30cm)	Blank/A-Type: SJTW 14AWGx2C (30cm) for ELG-150- 12/24; SJTW 18AWGx2C (30cm) for others; B/D2/DA-Type: SJTW 14AWGx2C (30cm)+UL2517 22AWGx2C (30cm) for ELG-150-12/24; SJTW 18AWGx2C (30cm)+UL2517 22AWGx2C (30cm) for others BE-Type: SJTW 14AWGx2C (30cm)+UL2464 22AWGx2C (30cm) +UL2464 18AWGx2C (30cm) for ELG-150-12/24; 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 Series



Model No.	Output	Tol.	R&N	Effi.
ELG-75-12(A)	12V, 0~5A	±3.0%	150mV	85%
ELG-75-24(A)	24V, 0~3.15A	±3.0%	200mV	88%
ELG-75-36(A)	36V, 0~2.1A	±2.5%	250mV	89%
ELG-75-42(A)	42V, 0~1.8A	±2.5%	250mV	90%
ELG-75-48(A)	48V, 0~1.6A	±2.0%	250mV	90%

○ = Blank, A, B, D2 or DA

ELG-100 Series



Model No.	Output	Tol.	R&N	Effi.
ELG-100-24(A)	24V, 0~4A	±3%	200mV	88%
ELG-100-36(A)	36V, 0~2.66A	±2.5%	250mV	89%
ELG-100-42(A)	42V, 0~2.28A	±2.5%	250mV	90%

Model No.	Output	Tol.	R&N	Effi.
ELG-100-48(A)	48V, 0~2A	±2%	300mV	90%
ELG-100-54(A)	54V, 0~1.78A	±2%	350mV	91%

○ = Blank, A, B, D2 or DA

ELG-150 Series



Model No.	Output	Tol.	R&N	Effi.
ELG-150-12(A)	12V, 0~10A	±3.0%	150mV	88%
ELG-150-24(A)	24V, 0~6.25A	±3.0%	200mV	89%
ELG-150-36(A)	36V, 0~4.17A	±2.5%	250mV	90%
ELG-150-42(A)	42V, 0~3.57A	±2.5%	250mV	90%
ELG-150-48(A)	48V, 0~3.13A	±2.0%	250mV	90%
ELG-150-54(A)	54V, 0~2.8A	±2.0%	350mV	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 series

200~240W Metal Case with PFC

Features

- Constant voltage+constant current modes
- 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 current / Over voltage / Over temp.

- Multiple models for choice:
 - A-Type:** IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer
 - B-Type:** IP67 rated. Constant current level adjustable through output cable with **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



AC input voltage range	100~305VAC ; 142~431VDC	
AC inrush current (max.)	Cold start, 75A at 230VAC	
DC adjustment range	±10% rated output voltage (A-Type only)	
Current adjustment range	50%~100% via 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, 100ms, 10ms 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~+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 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 ²
	Output	Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1mm ² B/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1mm ² +UL2517 22AWGx2C
Dimension (LxWxH) (mm)	244x 71x 35.5	

ELG-200 Series

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

Model No.	Output	Tol.	R&N	Effi.
ELG-200-12(A)	12V, 0~16A	±3%	150mV	90.0%
ELG-200-24(A)	24V, 0~8.4A	±2%	200mV	92.0%
ELG-200-36(A)	36V, 0~5.55A	±2%	250mV	92.0%
ELG-200-42(A)	42V, 0~4.76A	±2%	250mV	92.5%
ELG-200-48(A)	48V, 0~4.16A	±2%	250mV	93.0%
ELG-200-54(A)	54V, 0~3.72A	±2%	350mV	93.0%

ELG-240 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-240-24(A)	24V, 0~10A	±2%	200mV	92.0%
ELG-240-36(A)	36V, 0~6.66A	±2%	250mV	92.0%
ELG-240-42(A)	42V, 0~5.71A	±2%	250mV	92.5%
ELG-240-48(A)	48V, 0~5.0A	±2%	250mV	93.0%
ELG-240-54(A)	54V, 0~4.45A	±2%	350mV	93.0%

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