

ELG series 240~300W

Features

- Constant voltage+constant current modes
- Wide input range 100~305VAC
- High efficiency up to 94%
- No load / Standby power consumption <0.5W(for ELG-240 only)
- 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 outdoor LED lighting applications
- Protections:
 - Short circuit / Over current / Over voltage / Over temp.

- Multiple models for choice:(ELG-240)
 - Blank-Type:** IP67 rated. Io and Vo fixed(For harsh environment)
 - A-Type:** IP65 rated. Io and Vo adjustable through built-in potentiometer
 - B-Type:** IP67 rated.3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)
 - AB-Type:** IP65 rated. Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function.
 - 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, 60A at 230VAC	Cold start, 45A at 230VAC
DC adjustment range	±8% rated output voltage (A/AB-Type only)	
Current adjustment range	50%~100% via potentiometer (A/AB-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, at 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2.0kVAC O/P-FG: 1.5kVAC	
Working temperature	-40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE")	-40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750(type"HL"), CSA C22.2 No. 250.13-12, EN61347-1,-2-13, IEC/AS/NZS 61347-1, IEC/AS/NZS 61347-2-13 independent, EN62384, EAC TP TC 004, BIS IS15885(Note 1),GB19510.14, GB19510.1, IP65 or IP67 approved, KC61347-1(for ELG-240 only), KC61347-2-13(for ELG-240 only)	
EMC standards	EN55015, 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, KC KN15(only for ELG-240), KN61547(only for ELG-240)	
Connection	Please refer to page 47	
Dimension (LxWxH) (mm)	244x 71x 37.5	246x 77x 39.5

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%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ; □ = 3Y, 3-wire input for standard mode.

Note 1:for 24/24B/36/36A/42/42A/54/54A only

ELG-300 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-300-12A	12V, 11~22A	±3%	150mV	91.0%
ELG-300-24A	24V, 6.25~12.5A	±2%	240mV	94.0%

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