



LED-драйверы во влагозащитном корпусе серии LPF

Технические характеристики



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LPF series

16~40W Plastic Case with PFC

Features

- Constant voltage+constant current modes (D-Type: Constant current mode only)
- Universal AC input (up to 305VAC) / Full range
- Isolation class II, no F.G.
- Class 2 power unit
- Fully encapsulated with IP67 level [optional for LPF-16(D)]
- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for D type
- Suitable for LED lighting and moving sign applications
- Suitable for dry, damp, and wet location
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 5 years warranty

		LPF-16(D)/25(D)	LPF-40(D)
INPUT OUTPUT (Non-Dimming Models) OUTPUT (Dimming Models)			
AC input voltage range		90~305VAC ; 127~431VDC	
AC inrush current (max.)		LPF-16(D): Cold start, 45A at 230VAC LPF-25(D): Cold start, 50A at 230VAC	Cold start, 50A
Over current protection		95%~108% constant current, auto-recovery	
Over voltage protection		110%~150% rated output voltage	
Setup, rise, hold up time		500ms, 80ms, 16ms at full load and 230VAC	
Withstand voltage		I/P - O/P: 3.75kVAC	
Working temperature		-35~+70°C	-40~+70°C (refer to output derating curve)
Safety standards		UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, PSE J61347-1, J61347-2-13 approved; TUV EN61347-1, EN61347-2-13 approved for LPF-40(D)	
EMC standards		EN55015, EN61547, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11	
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)	
	Output	LPF-16/25: UL rated, SVT 18AWGx2C (30cm) LPF-16D/25D: UL rated, SJTW 18AWGx4C (30cm)	LPF-40: UL rated, SVT 18AWGx2C (30cm) LPF-40D: UL2464, 18AWGx2C(30cm)+22AWGx2C (30cm)
Dimension (LxWxH)(mm)		148x 40x 32	162.5x 43x 32

LPF-16 Series



Model No.	Output	Tol.	R&N	Effi.
LPF-16-12	12V, 0~1.34A	±4%	150mV	83.0%
LPF-16-15	15V, 0~1.07A	±4%	150mV	83.0%
LPF-16-20	20V, 0~0.80A	±4%	150mV	84.5%
LPF-16-24	24V, 0~0.67A	±4%	150mV	84.5%
LPF-16-30	30V, 0~0.54A	±4%	200mV	84.5%
LPF-16-36	36V, 0~0.45A	±4%	250mV	85.0%
LPF-16-42	42V, 0~0.39A	±4%	250mV	85.0%
LPF-16-48	48V, 0~0.34A	±4%	250mV	85.0%
LPF-16-54	54V, 0~0.30A	±4%	350mV	84.5%

□ = Blank, D ; Blank: without dimming function, D: with dimming function

LPF-25 Series



Model No.	Output	Tol.	R&N	Effi.
LPF-25-12	12V, 0~2.10A	±4%	150mV	84.0%
LPF-25-15	15V, 0~1.67A	±4%	150mV	84.0%
LPF-25-20	20V, 0~1.25A	±4%	150mV	85.0%
LPF-25-24	24V, 0~1.05A	±4%	150mV	85.5%

Model No.	Output	Tol.	R&N	Effi.
LPF-25-30	30V, 0~0.84A	±4%	200mV	85.5%
LPF-25-36	36V, 0~0.70A	±4%	250mV	85.5%
LPF-25-42	42V, 0~0.60A	±4%	250mV	85.5%
LPF-25-48	48V, 0~0.53A	±4%	250mV	86.0%
LPF-25-54	54V, 0~0.47A	±4%	350mV	86.0%

□ = Blank, D ; Blank: without dimming function, D: with dimming function

LPF-40 Series



Model No.	Output	Tol.	R&N	Effi.
LPF-40-12	12V, 0~3.34A	±4%	150mV	84.0%
LPF-40-15	15V, 0~2.67A	±4%	150mV	85.0%
LPF-40-20	20V, 0~2.00A	±4%	150mV	86.0%
LPF-40-24	24V, 0~1.67A	±4%	150mV	87.0%
LPF-40-30	30V, 0~1.34A	±4%	200mV	88.0%
LPF-40-36	36V, 0~1.12A	±4%	250mV	88.0%
LPF-40-42	42V, 0~0.96A	±4%	250mV	88.5%
LPF-40-48	48V, 0~0.84A	±4%	250mV	89.0%
LPF-40-54	54V, 0~0.76A	±4%	350mV	89.0%

□ = Blank, D ; Blank: without dimming function, D: with dimming function

LPF series

60~90W Plastic Case with PFC

Features

- Constant voltage+constant current modes (D-Type: Constant current mode only)
- LPF: 90~305VAC input
LPFH: 200~420VAC input
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires [LPF-90(D) only]
- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for D-Type
- Suitable for LED lighting and moving sign applications
- Suitable for dry, damp, and wet location
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 5 years warranty [3 years warranty for LPFH-60(D)]

		LPF-60(D)	LPF-90(D)	LPFH-60(D)
INPUT		  		
	OUTPUT (Non-Dimming Models)			
	OUTPUT (Dimming Models)			
AC input voltage range		90~305VAC ; 127~431VDC		200~400VAC; 282~566VDC
AC inrush current (max.)		Cold start, 55A at 230VAC		Cold start, 55A at 374VAC
Over current protection		95%~108% constant current, auto-recovery		
Over voltage protection		110%~150% rated output voltage		
Setup, rise, hold up time		500ms, 80ms, 16ms at full load and 230VAC	500ms, 200ms, 16ms at full load and 230VAC	500ms, 80ms, 16ms at full load and 347VAC
Withstand voltage		I/P - O/P: 3.75kVAC		I/P - O/P: 3kVAC
Working temperature		-40~+70°C (refer to output derating curve)		-40~+60°C
Safety standards		UL8750, ENEC and TUV EN61347-1, EN61347-2-13, EN62384, PSE J61347-1, J61347-2-13 approved		UL8750 pending
EMC standards		EN55015, EN61547, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11		FCC part 15 class B
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)		UL rated, UL1015 18AWGx2C (30cm)
	Output	LPF-60: UL rated, SVT 18AWGx2C (30cm) LPF-60D: UL2464 18AWGx2C(30cm)+22AWGx2C (30cm)	LPF-90: UL rated, SVT 18AWGx2C (30cm) LPF-90D: UL2464 18AWGx4C (30cm)	LPFH-60: UL rated, UL1015 18AWGx2C (30cm) LPFH-60D: UL rated, UL1015 18AWGx2C (30cm) +22AWGx2C (30cm)
Dimension (LxWxH)(mm)		162.5x 43x 32	161x 61x 36	162.5x 43x 32

LPF-60 Series

Model No.	Output	Tol.	R&N	Effi.
LPF-60-12	12V, 0~5.00A	±4%	150mV	86%
LPF-60-15	15V, 0~4.00A	±4%	150mV	87%
LPF-60-20	20V, 0~3.00A	±4%	150mV	88%
LPF-60-24	24V, 0~2.50A	±4%	150mV	89%
LPF-60-30	30V, 0~2.00A	±4%	200mV	90%
LPF-60-36	36V, 0~1.67A	±4%	250mV	90%
LPF-60-42	42V, 0~1.43A	±4%	250mV	90%
LPF-60-48	48V, 0~1.25A	±4%	250mV	90%
LPF-60-54	54V, 0~1.12A	±4%	350mV	90%

□ = Blank, D ; Blank: without dimming function, D: with dimming function

LPF-90 Series

Model No.	Output	Tol.	R&N	Effi.
LPF-90-15	15V, 0~5.00A	±4%	150mV	89.0%
LPF-90-20	20V, 0~4.50A	±4%	150mV	89.5%
LPF-90-24	24V, 0~3.75A	±4%	150mV	90.0%

Model No.	Output	Tol.	R&N	Effi.
LPF-90-30	30V, 0~3.00A	±4%	200mV	90.5%
LPF-90-36	36V, 0~2.50A	±4%	200mV	90.5%
LPF-90-42	42V, 0~2.15A	±4%	200mV	90.5%
LPF-90-48	48V, 0~1.88A	±4%	200mV	90.5%
LPF-90-54	54V, 0~1.67A	±4%	200mV	90.5%

□ = Blank, D ; Blank: without dimming function, D: with dimming function

LPFH-60 Series

Model No.	Output	Tol.	R&N	Effi.
LPFH-60-12	12V, 0~5.00A	±4%	150mV	86%
LPFH-60-15	15V, 0~4.00A	±4%	150mV	87%
LPFH-60-24	24V, 0~2.50A	±4%	150mV	89%
LPFH-60-36	36V, 0~1.67A	±4%	250mV	90%
LPFH-60-42	42V, 0~1.43A	±4%	250mV	90%
LPFH-60-48	48V, 0~1.25A	±4%	250mV	90%
LPFH-60-54	54V, 0~1.12A	±4%	350mV	90%

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