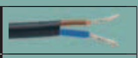
LPF series

16~90W Single Output Class 2 with PFC

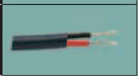
Features

- Universal AC input (up to 305VAC) / Full range
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Built-in active PFC function
- Fully isolated plastic case
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS
- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for D type
- Fully encapsulated with IP67 level [optional for LPF-16(D)] Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Suitable for dry, damp, wet location
- 3 years warranty

INPUT



OUTPUT (Non-Dimming Function)



OUTPUT (Dimming Function)

LPF-16(D)/25(D)

LPF-40(D)/60(D)

LPF-90(D)

		LPF-16(D)/25(D)	LPF-40(D)/60(D)	LPF-90(D)
AC input voltage range		90~305VAC ; 127~431VDC		
AC inrush current (max.)		Cold start, 50A at 230VAC	Cold start, 75A at 230VAC	Cold start, 70A at 230VAC
Over current protection		95% ~108% constant current, auto-recovery		
Over voltage protection		110%~145% rated output voltage		
Withstand voltage		I/P - O/P: 3.75kVAC		
Working temperature		-40~+70ºC (refer to output derating curve)		
Safety standards		UL8750, ENEC EN61347-1, EN61347-2-13 approved for LPF-16(D)/25(D); UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 approved for LPF-40(D)/60(D)/90(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, SVT 18AWGx4C (30cm)	LPF-40/60: UL rated, SVT 18AWGx2C (30cm) LPF-40D/60D: UL2464 18AWGx2C(30cm)+22AWGx2C (30cm)	LPF-90: UL rated, SVT 18AWGx2C (30cm) LPF-90D: UL2464 18AWGx4C (30cm)
Dimension (LxWxH)(mm)		148x 40x 32	162.5x 43x 32	161x 61x 36

LPF-16☐ Series

(for 42~54V) (for 12~36V) CB CE

Model No.	Output	Tol.	R&N	Effi.
LPF-16☐-12	12V, 0~1.34A	±4.0%	150mV	83.0%
LPF-16☐-15	15V, 0~1.07A	±4.0%	150mV	83.0%
LPF-16☐-20	20V, 0~0.80A	±4.0%	150mV	84.5%
LPF-16☐-24	24V, 0~0.67A	±4.0%	150mV	84.5%
LPF-16☐-30	30V, 0~0.54A	±4.0%	200mV	84.5%
LPF-16☐-36	36V, 0~0.45A	±4.0%	250mV	85.0%
LPF-16☐-42	42V, 0~0.39A	±4.0%	250mV	85.0%
LPF-16☐-48	48V, 0~0.34A	±4.0%	250mV	85.0%
LPF-16☐-54	54V, 0~0.30A	±4.0%	350mV	84.5%

LPF-25☐ Series

(for 42~54V) (for 12~36V) CB CE

Model No.	Output	Tol.	R&N	Effi.
LPF-25☐-12	12V, 0~2.10A	±4.0%	150mV	84.0%
LPF-25☐-15	15V, 0~1.67A	±4.0%	150mV	84.0%
LPF-25☐-20	20V, 0~1.25A	±4.0%	150mV	85.0%
LPF-25☐-24	24V, 0~1.05A	±4.0%	150mV	85.5%
LPF-25☐-30	30V, 0~0.84A	±4.0%	200mV	85.5%
LPF-25☐-36	36V, 0~0.70A	±4.0%	250mV	85.5%
LPF-25☐-42	42V, 0~0.60A	±4.0%	250mV	85.5%
LPF-25☐-48	48V, 0~0.53A	±4.0%	250mV	86.0%
LPF-25☐-54	54V, 0~0.47A	±4.0%	350mV	86.0%

LPF-40☐ Series

(for 48~54V) (for 12~42V) CB CE

Model No.	Output	Tol.	R&N	Effi.
LPF-40☐-12	12V, 0~3.34A	±4.0%	150mV	84.0%
LPF-40☐-15	15V, 0~2.67A	±4.0%	150mV	85.0%
LPF-40☐-20	20V, 0~2.00A	±4.0%	150mV	86.0%
LPF-40☐-24	24V, 0~1.67A	±4.0%	150mV	87.0%
LPF-40☐-30	30V, 0~1.34A	±4.0%	200mV	88.0%
LPF-40☐-36	36V, 0~1.12A	±4.0%	250mV	88.0%
LPF-40☐-42	42V, 0~0.96A	±4.0%	250mV	88.5%
LPF-40☐-48	48V, 0~0.84A	±4.0%	250mV	89.0%
LPF-40☐-54	54V, 0~0.76A	±4.0%	350mV	89.0%

LPF-60☐ Series

(for 48~54V) (for 12~42V) CB CE

Model No.	Output	Tol.	R&N	Effi.
LPF-60☐-12	12V, 0~5.00A	±4.0%	150mV	86%
LPF-60☐-15	15V, 0~4.00A	±4.0%	150mV	87%
LPF-60☐-20	20V, 0~3.00A	±4.0%	150mV	88%
LPF-60☐-24	24V, 0~2.50A	±4.0%	150mV	89%
LPF-60☐-30	30V, 0~2.00A	±4.0%	200mV	90%
LPF-60☐-36	36V, 0~1.67A	±4.0%	250mV	90%
LPF-60☐-42	42V, 0~1.43A	±4.0%	250mV	90%
LPF-60☐-48	48V, 0~1.25A	±4.0%	250mV	90%
LPF-60☐-54	54V, 0~1.12A	±4.0%	350mV	90%

LPF-90☐ Series

(for 48~54V) (for 15~42V) CB CE

Model No.	Output	Tol.	R&N	Effi.
LPF-90☐-15	15V, 0~5.00A	±4.0%	150mV	89.0%
LPF-90☐-20	20V, 0~4.50A	±4.0%	150mV	89.5%
LPF-90☐-24	24V, 0~3.75A	±4.0%	150mV	90.0%
LPF-90☐-30	30V, 0~3.00A	±4.0%	200mV	90.5%
LPF-90☐-36	36V, 0~2.50A	±4.0%	200mV	90.5%
LPF-90☐-42	42V, 0~2.15A	±4.0%	200mV	90.5%
LPF-90☐-48	48V, 0~1.88A	±4.0%	200mV	90.5%
LPF-90☐-54	54V, 0~1.67A	±4.0%	200mV	90.5%

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