

NPF series 120~200W

Features

- (Constant voltage+constant current modes)
(D-Type:Constant current mode dimming)
(V-Type:Constant voltage mode dimming)
- Universal AC input (90 to 305VAC) / Full range
- High efficiency up to 94%
- No load power consumption <0.15W (<0.5W for D-Type)
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit [except for NPF-90(D)-12/15 & NPF-120(D)]
- Type HL LED Driver for use in Class I, location luminaires [except for NPF-90(D)]
- D-Type or V-Type: Built-in 3 in 1 dimming function (0~10VDC, PWM signal or resistance)
- BE-Type: Built-in 3 in 1 dimming function (0~10VDC, PWM signal or resistance) and 12V/200mA auxiliary output for 120W only
- IP67 Suitable for dry, damp, and wet location
- Protections:
Short circuit / Over current / Over voltage / Over temperature
- 5 years warranty

INPUT		OUTPUT (NPF-40D/60D)	NPF-120(D)		NPF-200(V)	
AC input voltage range		90~305VAC; 127~431VDC		100~305VAC; 142~431VDC		
AC inrush current (max.)		Cold start, 60A at 230VAC		Cold start, 65A at 230VAC		
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, 80ms, 16ms at full load and 230VAC		500ms, 80ms, 10ms at full load and 230VAC		
Total harmonic distortion		THD<20%				
Withstand voltage		I/P-O/P: 3.75kVAC				
Working temperature		Tcase= -40~+90°C				
Safety standards		UL8750, ENEC BS EN61347-1, BS EN61347-2-13, BS EN62384 approved, GB19510.14, GB19510.1, EAC TP TC 004, CSA C22.2 No. 250.13-12(only for NPF-200 series), Design refer to BS EN60335-1(only for NPF-200 series)				
EMC standards		BS EN55015, BS EN61000-3-2 class C, BS EN61000-3-3, BS EN61000-4-2,3,4,5,6,8,11, BS EN61547, GB17743, GB17625.1, EAC TP TC 020				
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)		UL rated, SJOW 17AWGX2C&H05RN-F 2X1.0mm ²		
	Output	NPF-120: SJTW 14AWGx2C (30cm) NPF-120D: SJTW 14AWGx2C (30cm)+ UL2464 18AWGx2C (30cm) [UL2464 22AWGx3C(30cm) for BE-Type]		NPF-200: SJOW 14AWG*2C for 12V NPF-200V: SJOW 17AWGX2C&H05RN-F 2x1.0mm ² UL2464 20AWGx2C (30cm)		
Dimension (LxWxH) (mm)		191 x 63 x 37.5		195 x 68 x 39.5		

NPF-120 Series

Model No.	Output	Tol.	R&N	Io Ripple (D-Type)	Effi.
NPF-120□-12△	12V, 0~10A	±4%	150mV	5%	87.5%
NPF-120□-15△	15V, 0~8A	±4%	150mV	5%	88%
NPF-120□-20△	20V, 0~6A	±4%	150mV	5%	89%
NPF-120□-24△	24V, 0~5A	±4%	150mV	5%	89.5%
NPF-120□-30△	30V, 0~4A	±3%	200mV	5%	89%
NPF-120□-36△	36V, 0~3.4A	±2%	200mV	5%	89.5%
NPF-120□-42△	42V, 0~2.9A	±1%	250mV	5%	89.5%
NPF-120□-48△	48V, 0~2.5A	±1%	250mV	5%	90%
NPF-120□-54△	54V, 0~2.3A	±1%	350mV	5%	90%

NPF-200 Series

Model No.	Output	Tol.	R&N	Io Ripple (D-Type)	Effi.
NPF-200□-12	12V, 0~15A	±4%	150mV	5%	92%
NPF-200□-24	24V, 0~8.3A	±4%	150mV	5%	93%
NPF-200□-36	36V, 0~5.55A	±2%	200mV	5%	94%
NPF-200□-42	42V, 0~4.75A	±1%	250mV	5%	94%
NPF-200□-48	48V, 0~4.17A	±1%	250mV	5%	94%
NPF-200□-54	54V, 0~3.17A	±1%	350mV	5%	94%

Note: 1. □ = Blank, V ; Blank: without dimming function, V: Constant voltage dimming
2. V-Type : Suitable for Poultry lighting or LED strip

Note: □ = Blank, D ; Blank: without dimming function, D: with dimming function
△ = Blank, BE ; Blank: without auxiliary output, BE: D-Type with auxiliary function