

Наличие и актуальные цены на

NPF-90-42

https://www.mean-well.ru/store/NPF-90-42/







Features

- · Constant Voltage + Constant Current mode output
- Plastic housing with Class II design
- Built-in active PFC function
- Class 2 power unit(except NPF-90-12/15)
- No load power consumption <0.15W
- IP67 rating for indoor or outdoor installations
- Typical lifetime>50000 hours
- 5 years warranty

Applications

- LED panel lighting
- LED downlight
- LED decorative lighting
- LED tunnel lighting
- Moving sign

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

NPF-90 series is a 90W AC/DC LED driver featuring the dual modes constant voltage and constant current output. NPF-90 operates from $90 \sim 305$ VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the hign efficiency up to 91%, with the fanless design, the entire series is able to operate for -40° C $\sim +85^{\circ}$ C case temperature under free air convection. The entire series is rated with IP67 ingress protection level and is suitable to work for a variety of applications at dry, damp or wet locations.

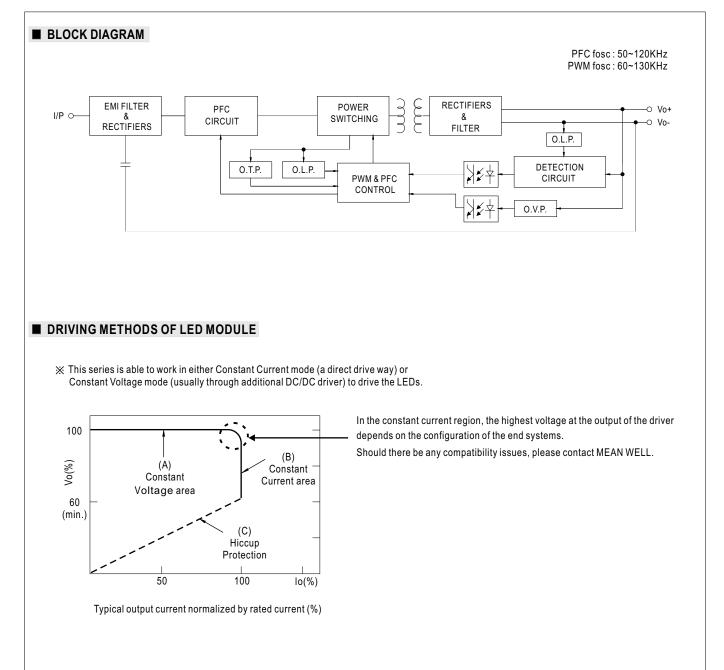
Model Encoding NPF - 90 - 24 Rated output voltage(12V/15V/20V/24V/30V/36V/42V/48V/54V) Rated wattage Series name



SPECIFICATION

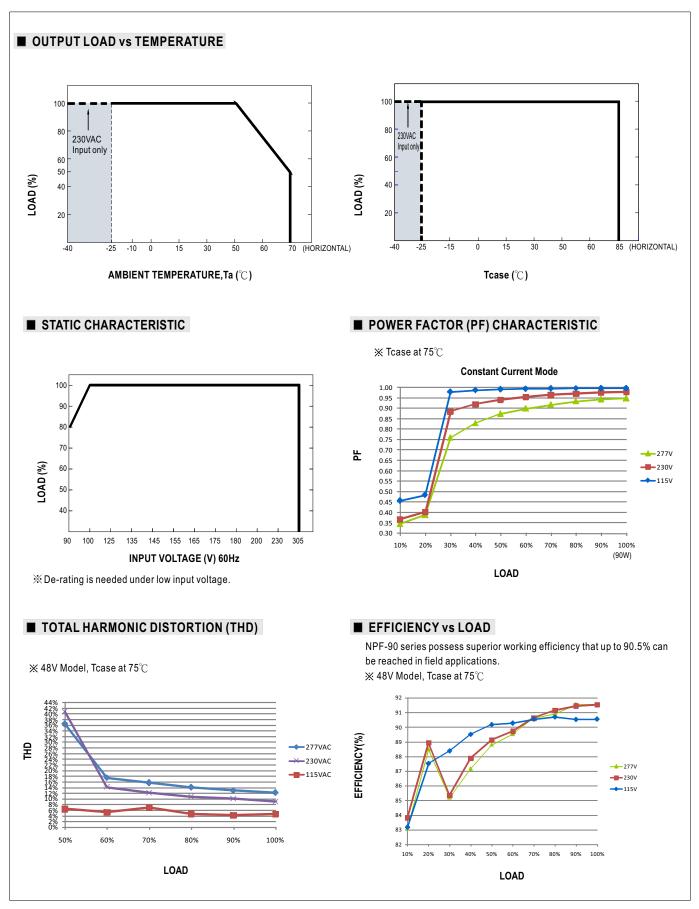
	ATION									
MODEL		NPF-90-12	NPF-90-15	NPF-90-20	NPF-90-24	NPF-90-30	NPF-90-36	NPF-90-42	NPF-90-48	NPF-90-54
OUTPUT	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
	CONSTANT CURRENT REGION Note.2		9 ~ 15V	12~20V	14.4 ~ 24V	18~30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V
	RATED CURRENT	7.5A	6A	4.5A	3.75A	3A	2.5A	2.15A	1.88A	1.67A
	RATED POWER Note.5	90W	90W	90W	90W	90W	90W	90.3W	90.24W	90.18W
	RIPPLE & NOISE (max.) Note.3	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	250mVp-p	250mVp-p	350mVp-p
	VOLTAGE TOLERANCE Note.4	±4.0%	±4.0%	±4.0%	±3.0%	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	$\pm 0.5\%$	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	$\pm 0.5\%$	±0.5%
	LOAD REGULATION	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	$\pm 0.5\%$	$\pm 0.5\%$	±0.5%
	SETUP, RISE TIME Note.6	500ms, 80ms 115VAC / 230VAC								
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC								
INPUT	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR	$\label{eq:product} PF \geqq 0.98/115 \text{VAC}, PF \geqq 0.96/230 \text{VAC}, PF \geqq 0.94/277 \text{VAC}@full load} \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) \\ \end{array}$								
	TOTAL HARMONIC DISTORTION	THD<20%(@load≧60%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)								
	EFFICIENCY (Typ.)	89%	89.5%	90.5%	91%	89.5%	90.5%	90.5%	90.5%	90.5%
	AC CURRENT	0.95A / 115V/	AC 0.5A/	230VAC	0.4A/277VAC	;				
	INRUSH CURRENT(Typ.)	COLD START 60A(twidth=550µs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.25mA / 277VAC								
	NO LOAD POWER CONSUMPTION	<0.15W								
PROTECTION		95~108%								
	OVER CURRENT									
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	15 ~ 17V	17.5 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 40V	41~46V	46 ~ 54V	54 ~ 60V	59~66V
		Shut down and latch off o/p voltage, re-power on to recover								
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover								
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +85 $^{\circ}$ C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)								
	MAX. CASE TEMP.	Tcase=+85℃								
	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
0.4.F.F.T.V. 9	SAFETY STANDARDS Note.8	UL8750, CSA C22.2 No. 250.13-12, ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, GB19510.1,GB19510.14 EAC TP TC 004,IP67 approved; Design refer to BS EN/EN60335-1								
	WITHSTAND VOLTAGE	I/P-0/P:3.75KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
EMC	EMC EMISSION Note.8	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load≧60%) ; BS EN/EN61000-3-3; GB/T 17743, GB17625.1,EAC TP TC 020								
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level (surge immunity Line-Line 2KV); EAC TP TC 020								
	MTBF	2749.4K hrs i	nin. Telcord	lia SR-332 (Be	llcore); 292	.8Khrs min.	MIL-HDBK-217	′F (25℃)		
OTHERS	DIMENSION	171*63*37.5r	nm (L*W*H)							
	PACKING	0.77Kg; 18pc	s/14.9Kg/0.82	CUFT						
NOTE	 All parameters NOT special Please refer to "DRIVING M Ripple & noise are measured Tolerance : includes set up to De-rating may be needed u Length of set up time is mee The driver is considered as complete installation, the fin (as available on https://www This series meets the typica Please refer to the warranty The ambient temperature of For any application note ar https://www.meanwell.com 	ETHODS OF I at 20MHz of I laterance, line re- nder low input asured at first a component al equipment I meanwell.cor I life expectan statement on derating of 3.5 nd IP water pro-	LED MODUL pandwidth by u egulation and lo voltages. Plea cold start. Turn that will be op- manufacturers n//Upload/PDF cy of >50,000 MEAN WELL °C/1000m with poof function ins	E". Ising a 12" twis pad regulation. ase refer to "S" ining ON/OFF f erated in comt must re-qualif /[EMI_stateme hours of opera 's website at h a fanless mode	sted pair-wire to TATIC CHAR/ the driver may bination with fil y EMC Directi ynt_en.pdf) ation when Tc: http://www.mea els and of 5°C/	erminated with ACTERISTIC" : lead to increa nal equipment. ve on the com ase, particularly inwell.com /1000m with fa	a 0.1uf & 47uf sections for de lse of the set u . Since EMC p plete installatio y (tc) point (or n models for o	parallel capacit lails. p time. erformance wil n again. TMP, per DLC perating altituc	l be affected b), is about 75ି୯	or less.



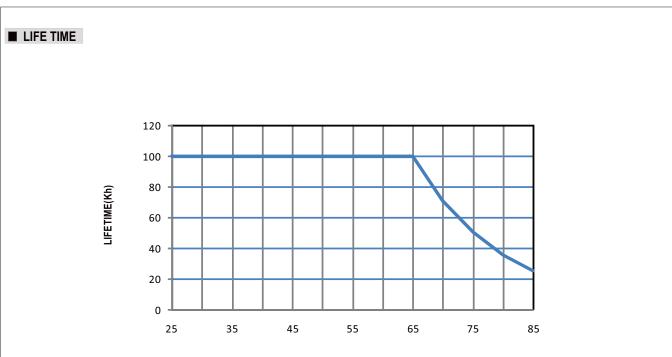




90W Constant Voltage + Constant Current LED Driver











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