

Наличие и актуальные цены на

# NPF-40D-15

https://www.mean-well.ru/store/NPF-40D-15/







### Features

- · Plastic housing with class II design
- Built-in active PFC function
- · Class 2 power unit
- Standby power consumption <0.5W</li>
- IP67 rating for indoor or outdoor installations
- Function: 3 in 1 dimming (dim-to-off)
- Typical lifetime >50000hours
- 5 years warranty

### Applications

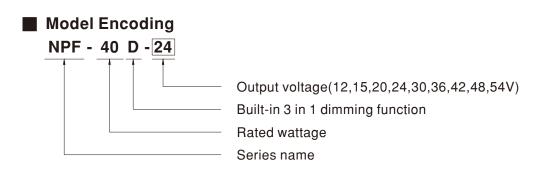
- · LED panel lighting
- · LED downlight
- LED decorative lighting
- LED tunnel lighting
- Moving sign
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location

#### GTIN CODE

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

### Description

NPF-40D series is a 40W AC/DC LED driver featuring the constant current mode output. NPF-40D operates from 90~305VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for -40°C~+85°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. NPF-40D is equipped with the 3 in 1 dimming function so as to provide the design flexibility for LED lighting system.

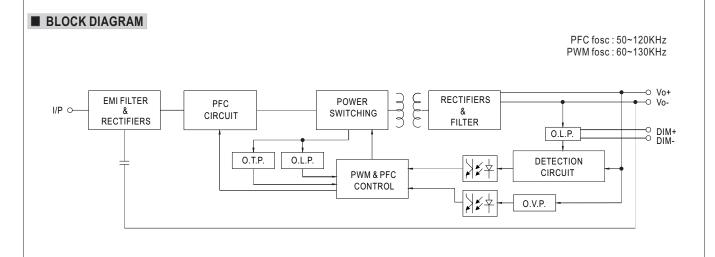




### SPECIFICATION

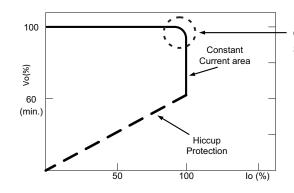
MODEL		NPF-40D-12	NPF-40D-15	NPF-40D-20	NPF-40D-24	NPF-40D-30	NPF-40D-36	NPF-40D-42	NPF-40D-48	NPF-40D-54
	RATED CURRENT	3.34A	2.67A	2A	1.67A	1.34A	1.12A	0.96A	0.84A	0.76A
OUTPUT	RATED POWER	40.08W	40.08W	40W	40.08W	40.2W	40.32W	40.32W	40.32W	41.04W
	CONSTANT CURRENT REGION	7.2 ~ 12V	9~15V	12~20V	14.4 ~ 24V	18~30V	21.6 ~ 36V	25.2 ~ 42V		32.4 ~ 54
	CURRENT RIPPLE	5.0% max. @rated current								
	CURRENT TOLERANCE	±5.0%								
	SET UP TIME Note.3	500ms/115VAC, 230VAC								
INPUT	VOLTAGE RANGE Note.2	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	$\label{eq:PF} PF \geqq 0.97/115 \text{VAC}, PF \geqq 0.95/230 \text{VAC}, PF \geqq 0.92/277 \text{VAC} @ \text{full load} \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) \\ \end{aligned}$								
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/115VC, 230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)								
	EFFICIENCY(Typ.)	86%	87%	88%	89%	89%	90%	90%	90%	90%
	AC CURRENT (Typ.)	0.6A / 115V	AC 0.34	A/230VAC	0.25A/27	7VAC				
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=270µs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	9 units (circuit breaker of type B) / 16 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.25mA / 277VAC								
	STANDBY POWER CONSUMPTION	<0.5W								
PROTECTION	OVER CURRENT	95 ~ 108% Constant current limiting, recovers automatically after fault condition is removed								
	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 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°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)								
	MAX. CASE TEMP.	Tcase=+85°C								
		20 ~ 95% RH non-condensing								
	STORAGE TEMP., HUMIDITY									
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS	UL8750(type"HL"), UL879(for 12V,24V only), CSA C22.2 No. 250.13-12, ENEC BS EN/EN61347-1, BS EN/EN61347-2-13, BS EN/EN62384 independent, EAC TP TC 004, GB19510.1,GB19510.14, IP67 approved ; Design refer to BS EN/EN60335-1								
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC								
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH								
	EMC EMISSION	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								
OTHERS	MTBF	3084.3K hrs	min. Telc	ordia SR-332	2 (Bellcore) ;	288.2K hrs r	nin. MIL-H	IDBK-217F (2	25°C)	
	DIMENSION	150*53*35mm (L*W*H)								
	PACKING	0.49Kg;30pcs/15.7Kg/1.0CUFT								
NOTE	<ol> <li>De-rating may be needed u</li> <li>Length of set up time is mea</li> <li>The standby power consum</li> <li>The driver is considered as complete installation, the fin (as available on https://www</li> <li>This series meets the typica</li> <li>Please refer to the warranty</li> <li>The ambient temperature de</li> <li>For any application note an https://www.meanwell.com/</li> </ol>	NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. p time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. ower consumption is specified for 230VAC. onsidered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the llation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. n https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) ets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (to point (or TMP, per DLC), is about 75°C or less. the warranty statement on MEAN WELL's website at http://www.meanwell.com imperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) ation note and IP water proof function installation caution, please refer our user manual before using. exanwell.com/Upload/PDF/LED_EN.pdf ty Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx								





### DRIVING METHODS OF LED MODULE

% This series works in constant current mode to directly drive the LEDs.

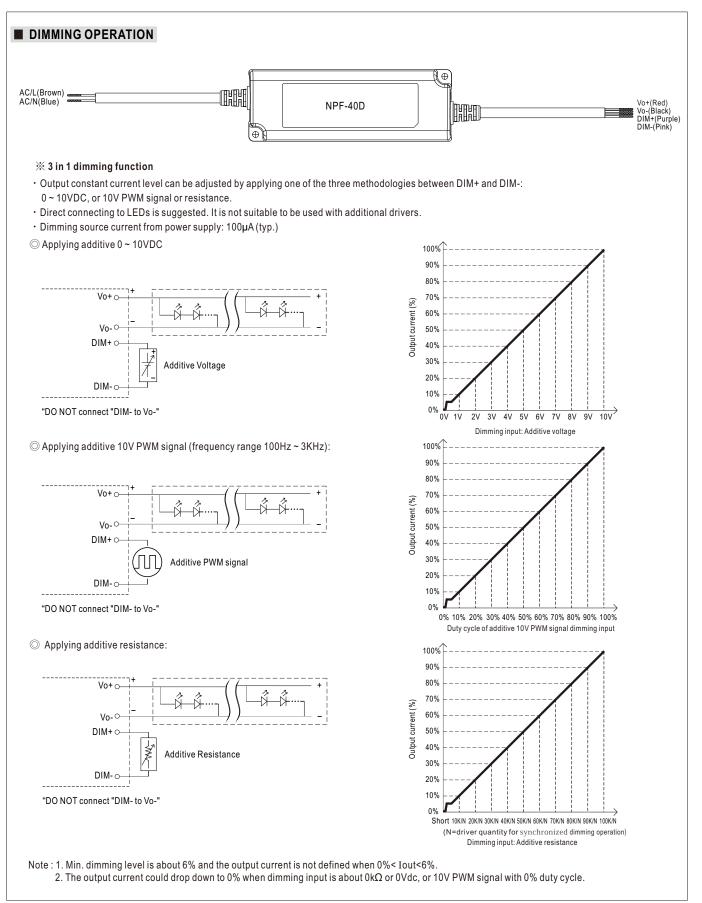


Typical LED power supply I-V curve

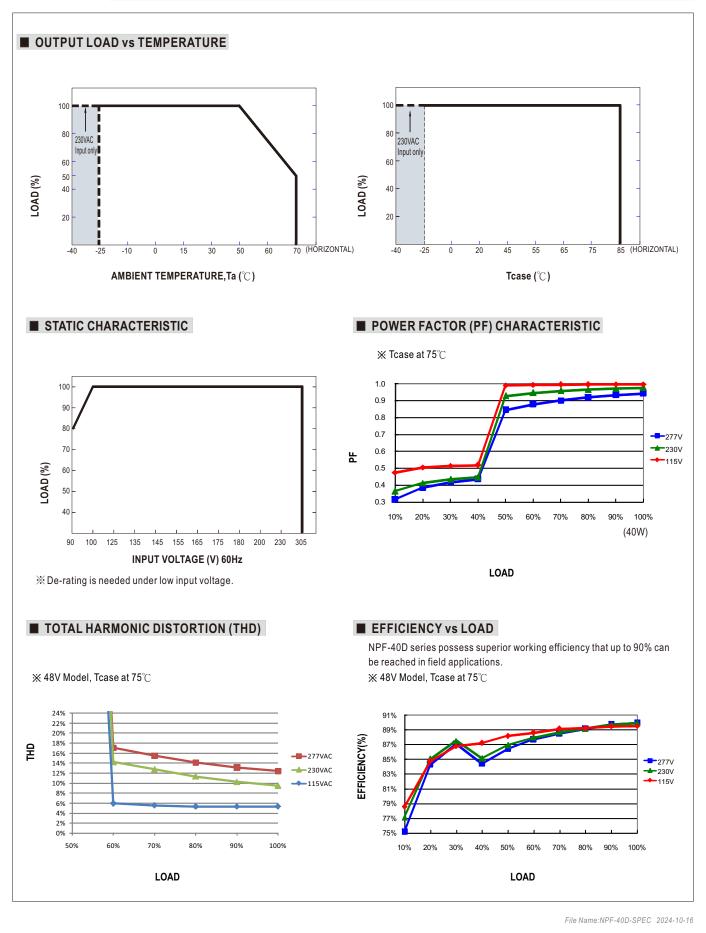
In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.



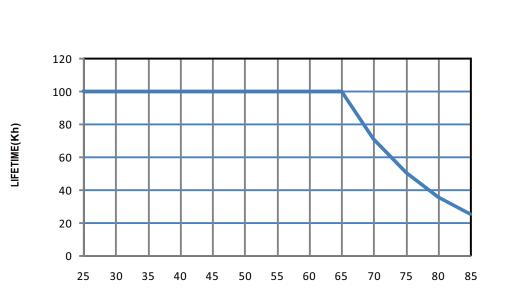








■ LIFE TIME



Tcase(°℃)



