











■ Main Features

-) High efficiency and compact size
- J Only 63mm width aluminum enclosure
- J Overload 130%
- J Excellent field reliability record
- J High operating temperature with no derating

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TECHNICAL DATA

TECHNICAL DATA	NDCN4240-12	NPSM240-24	NDCM240 24D	NIDCMANA AOD	NDC84240 72D	
Model type OUTPUT DATA	NPSM240-12	NPSIVI240-24	NPSM240-24P	NPSM240-48P	NPSM240-72P	
Rated voltage	12Vdc	24V	dr	48Vdc	72Vdc	
Adj. output voltage range	1215Vdc	2328		4555Vdc	7285Vdc	
Continuous current	1614A		10A		3.5A	
Overload limit	1916A		13.5A		4.6A	
Short circuit peak current	42A	35/		6.8A 20A	14A	
Load regulation	≤ 1.5%	≤ 1%	≤ 2.5%		.5%	
Ripple & Noise ¹	≤ 150mVpp)mVpp		
Hold up time				r r		
Vin = 120Vac Vin = 240Vac	≥ 60ms ≥ 70ms					
Protections	 Overload, short circuit: Hiccup mode Thermal protection Output overvoltage 					
Output overvoltage protection	≥ 18Vdc	≥ 33\	/dc	≥ 68Vdc	≥ 100Vdc	
Status Signals	DC OK - green LED DC OK - dry contac	DC OK - green LED				
Parallel connection		ancy (with external ORin	ng module)			
INPUT DATA	(2222)					
		Nomi	nal: 120 / 240Vac (UL cert	ified)		
Input AC rated voltage Frequency		Range: 90132 / 187264Vac Range: 90132 / 187264Vac Settable with voltage input selector 4763Hz				
Input DC rated voltage		2703	45Vdc (only with 240V sel	ected)		
Input AC rated current						
Vin = 120Vac			4.0A			
Vin = 240Vac		2.0A				
Input DC rated current						
Vin = 270Vdc			1.3A			
Vin = 345Vdc	1.3A 1.0A					
			< 37A / 1 12A2c			
Inrush peak current² / I²t			≤ 32A / 1.18A²s			
nrush peak current² / l²t Fouch (leakage) current			≤ 0.8mA			
Inrush peak current² / I²t Touch (leakage) current		Fuse		ble)		
Inrush peak current² / I²t Touch (leakage) current Internal protection fuse Recommended external protection	It is strongly	Fus	≤ 0.8mA e 6.3AT (not user replacea se 10AT or MCB 10A C cur		gulations.	
Inrush peak current ² / I ² t Touch (leakage) current Internal protection fuse Recommended external protection GENERAL DATA		Fus recommended to provid	≤ 0.8mA e 6.3AT (not user replacea se 10AT or MCB 10A C cur e external surge arresters	ve (SPD) according to local reg		
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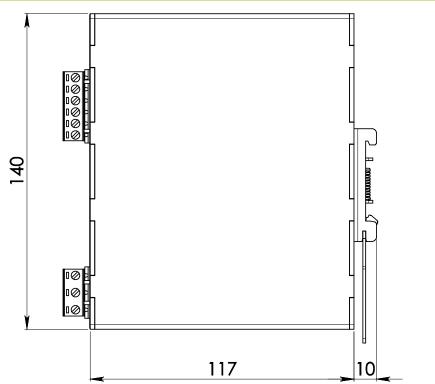


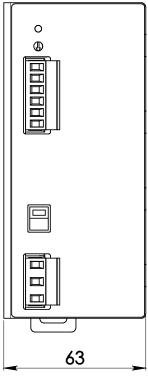
Case material	Aluminum
Weight	0.75kg
Size (W x H x D)	63.0 x 140.0 x 117.0mm

- 1) Ripple and Noise are measured with 20MHz bandwidth, probe terminated with a 0.1µF MKP parallel capacitor.
- 2) Peak current measured after 0.2ms from main connection; 240Vac/50Hz; Ambient temperature at 25°C; Cold Start. 3) Start-up type tested: 40°C, possible at nominal voltage with load deration.

- Technical parameters are typical, measured in laboratory environment at 25°C and 240Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.
- Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.
- Data may change without prior notice in order to improve the product.

DIMENSIONS





CONNECTION







Input Connection:

Single phase:

- L = Line
- N = Neutral
- I = Earth ground

- L = + Positive DC
- N = Negative DC
- I = Earth ground

Output Connection:

- + = Positive DC
- - = Negative DC

Signalling:

DC OK: dry contact

- NO
- COM

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