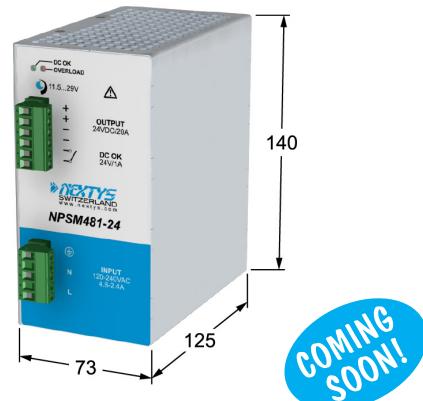


- High efficiency and extremely compact size
- Active PFC for optimal efficiency
- Constant Current or Hiccup Mode limitations
- Overload 150%
- Efficiency up to 93%
- Up to 60°C operating temperature with no derating
- Easy parallelable for power increase

IND.CONT.EQ
4WX9

For reference only

TECHNICAL DATA

	NPSM481-24	NPSM481-48	NPSM481-72			
OUTPUT DATA						
Rated voltage	24Vdc	48Vdc	72Vdc			
Adj. output voltage range	11.5...28.5Vdc	22...55Vdc	33...85Vdc			
Continuous current	20A	10A	6.7A			
Overload limit	30A	15A	10A			
Short circuit peak current	50A in Hiccup mode 30A in constant current mode	30A in Hiccup mode 15A in constant current mode	15A in Hiccup mode 10A in constant current mode			
Load regulation		< 1%				
Ripple		< 50mVpp				
Hold up time		> 20ms				
Overload, short circuit, with constant or hiccup mode (user settable)						
Protections		Thermal protection Input Undervoltage lockout				
Output overvoltage protection	Active > 30Vdc	Active > 60Vdc	Active > 90Vdc			
Parallel connection	Up to 4 units for increased power					
DC OK – green LED OVERLOAD – red LED Dry contact 1A / 24Vdc						
INPUT DATA						
Input rated voltage frequency	AC: 120...230Vac / 47...63Hz (range 85...264Vac) DC: 110...345Vdc					
Input rated current (Vin = 120Vac)	4.8A					
(Vin = 230Vac)	2.4A					
Inrush peak current	< 30A					
Power factor	> 0.92 @ full load					
Internal protection fuse	Fuse 6.3AT / 250V (not user replaceable)					
External protection on AC line	Fuse 6.3A or MCB 10A C curve					
GENERAL DATA						
Efficiency	> 93%					
Dissipated power	< 36W					
Operating temperature	- 20°C...+ 60°C (over temperature protection)					
Derating	No derating up to 60°C					
Overvoltage category	II					
Pollution degree	2 (IEC 664-1)					
Input / output isolation	4.2kVdc					
Input / ground isolation	2.2kVdc					
Output / ground isolation	0.75kVdc					
Standards & Approvals	UL508 (certified), EN60950, CE marking					
EMC Standards	EN61000-6-4, EN61000-6-2					
Protection degree	IP20 acc. To EN60529					
Connection terminals	2.5mm ² , screw type header (24...12AWG)					
Case material	Aluminum					
Approx. Weight	0.800kg					
Size (W x H x D)	73.0 x 140.0 x 125.0mm					
Mounting rail	IEC 60715/H15/TH35-7.5-(15)					
Rail mounting information	Vertical, allow 10mm spacing between adjacent items					