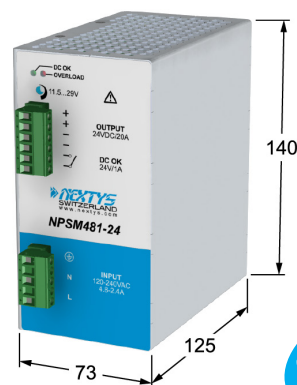


- High efficiency and extremely compact size
- Active PFC for optimal efficiency
- Constant Current or Hiccup Mode limitations
- Overload 150%
- Efficiency up to 93%
- Up to 60°C operating temperature with no derating
- Easy parallelable for power increase



IND.CONT.EQ
4WX9



COMING SOON!

For reference only

TECHNICAL DATA

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			
Protections	Overload, short circuit, with constant or hiccup mode (user settable) Thermal protection Input Undervoltage lockout			
Output overvoltage protection	Active > 30Vdc	Active > 60Vdc	Active > 90Vdc	
Parallel connection	Up to 4 units for increased power			
Status Signals	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	2.5mm², 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			