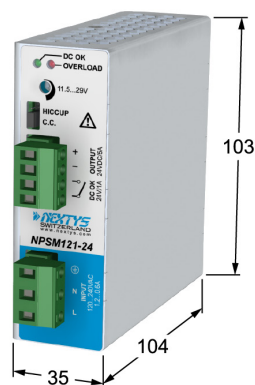


- High efficiency and extremely compact size
- Active PFC for optimal efficiency
- Constant Current or Hiccup Mode limitations
- Overload 150%
- Efficiency up to 91%
- Up to 60°C operating temperature with no derating
- Only 35mm width aluminium enclosure
- Easy parallelable for power increase



IND.CONT.EQ
4WX9



For reference only

**WORLD
FIRST!**

TECHNICAL DATA

TECHNICAL DATA		NPSM121-24		NPSM121-24P		NPSM121-48		NPSM121-48P									
OUTPUT DATA																	
Rated voltage		24Vdc				48Vdc											
Adj. output voltage range		11.5...28.5Vdc				22...55Vdc											
Continuous current		5A				2.5A											
Overload limit		7.5A				3.75A											
Short circuit peak current		15A in Hiccup mode, 7.5A in constant current mode				7.5A in Hiccup mode, 3.75A in constant current mode											
Load regulation		< 1%															
Ripple		< 50mVpp															
Hold up time		Overload, short circuit, with constant or hiccup mode (user settable)															
(Vin = 120Vac)										> 20ms							
(Vin = 230Vac)										> 40ms							
Protections		Thermal protection Input Undervoltage lockout															
Output overvoltage protection		Active > 30Vdc				Active > 68Vdc											
Parallel connection		Up to 4 units for increased power															
Redundancy		No	Internal Oring diode		No	Internal Oring diode											
Status Signals		DC OK – green LED OVERLOAD – red LED Dry contact 1A / 24Vdc															
INPUT DATA																	
Input rated voltage frequency		AC: 120...240Vac / 47...63Hz (range 85...264Vac) DC: 110...345Vdc															
Input rated current		1.3A 0.65A															
(Vin = 120Vac)																	
(Vin = 230Vac)																	
Inrush peak current		< 30A															
Power factor		> 0.92 @ full load															
Internal protection fuse		Fuse 3.15AT / 250V (not user replaceable)															
External protection on AC line		Fuse 4AT or MCB 4A C curve															
GENERAL DATA																	
User Interface		DC OK LED (U out > 0.8 Uset) Overload LED Current limitation mode jumper Dry contact (1A)															
Efficiency		> 91%															
Dissipated power		< 12W															
Operating temperature		- 20°C...+ 70°C (over temperature protection)															
Derating		-6W/°C over 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, CE marking															
EMC Standards		EN61000-6-2, EN61000-6-4															
Protection degree		IP20 acc. to EN60529															
Connection terminals		2.5mm², screw type header (24...12AWG)															
Case material		Aluminum															
Approx. Weight		0.200kg															
Size (W x H x D)		35.0 x 103.0 x 104.0mm															
Mounting rail		IEC 60715/H15/TH35-7.5(-15)															
Rail mounting information		Vertical, allow 10mm spacing between adjacent items															