

Main features

- High efficiency and compact size
- 150% overload capability
- Extended hold up time
- Wide operating temperature

TECHNICAL DATA

Model type	NPSR240-24
OUTPUT DATA	
Rated voltage	24Vdc
Adj. output voltage range	23...27.5Vdc
Continuous current	10A
Overload limit	13A / 16A x 100ms
Short circuit peak current	25A / 400ms
Load regulation	< 1%
Ripple	< 100mVpp
Hold up time (Uin 120/230Vac)	> 50ms > 40ms
Status Signals	"DC OK": by LED and dry contact (1A/30V)
Output protections	Hiccup at the overload limit with auto reset; over temperature; overvoltage
Output overvoltage protection	Active > 33Vdc
Parallel connection	Factory provided with internal Oring diode
INPUT DATA	
Input rated voltage / frequency	AC: 120 / 230Vac / 47...63Hz (range 90...132 / 187...264Vac) DC: 270...345Vdc
Input rated current (Uin 120/230Vac)	3.6A 1.8A
Inrush peak current	< 35A
Power factor	> 0.60
Internal protection fuse	Fuse AT 6.3A/250Vac
External protection on AC line	Fuse AT 10A or MCB 10A C curve
GENERAL DATA	
Efficiency	> 85%
Dissipated power	< 43W
Operating temperature	- 20°C...+ 70°C / overtemperature protection
Overvoltage category Pollution degree	II / 2 (IEC 664-1)
Input / output isolation	4.2 kVdc
Input / ground isolation	2.2 kVdc
Output / ground isolation	0.75 kVdc
Standards & Approvals	EN60950 (reference), CE marking
EMC Standards	EN61000-6-4, EN61000-6-2
Protection degree	IP20 acc. to EN60529
Connection terminals	2.5 mm ² , screw type pluggable (24...12 AWG)
Case material	Aluminum
Approx. weight	1.500 kg
Size (W x H x D)	88.0 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

Note: Technical parameters are typical and may change without prior notice.

Dimension

