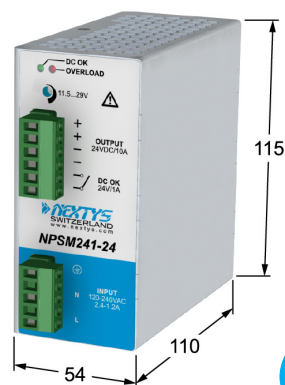


- High efficiency and extremely compact size
- Active PFC for optimal efficiency
- Constant Current or Hiccup Mode limitations
- Overload 150%
- Efficiency up to 92%
- Up to 60°C operating temperature with no derating
- Easy parallelable for power increase



IND.CONT.EQ
4WX9



COMING SOON!

For reference only

TECHNICAL DATA

| TECHNICAL DATA | | NPSM241-24 | NPSM241-48 | NPSM241-72 |
|---------------------------------------|---|---|--|------------|
| OUTPUT DATA | | | | |
| Rated voltage | 24Vdc | 48Vdc | 72Vdc | |
| Adj. output voltage range | 11.5...28.5Vdc | 22...55Vdc | 33...85Vdc | |
| Continuous current | 10A | 5A | 3.3A | |
| Overload limit | 15A | 7.5A | 5A | |
| Short circuit peak current | 30A in Hiccup mode 15A in constant current mode | 15A in Hiccup mode 7.5A in constant current mode | 7.5A in Hiccup mode 5A 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) | 2.4A | | | |
| (Vin = 230Vac) | 1.2A | | | |
| Inrush peak current | < 30A | | | |
| Power factor | > 0.92 @ full load | | | |
| Internal protection fuse | Fuse 4AT / 250V (not user replaceable) | | | |
| External protection on AC line | Fuse 4A or MCB 6A C curve | | | |
| GENERAL DATA | | | | |
| Efficiency | > 92% | | | |
| Dissipated power | < 21W | | | |
| 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 | 0.500kg | | | |
| Size (W x H x D) | 54.0 x 115.0 x 110.0mm | | | |
| Mounting rail | IEC 60715/H15/TH35-7.5(-15) | | | |
| Rail mounting information | Vertical, allow 10mm spacing between adjacent items | | | |