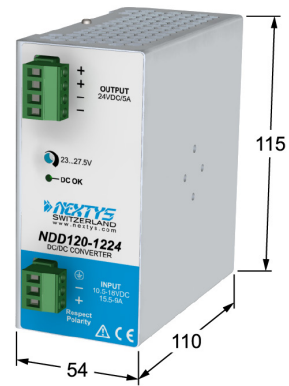


- High efficiency and compact size
- > 125% overload capability
- Wide input voltage range



For reference only

**TECHNICAL DATA**

	NDD120-1212	NDD120-1224	NDD120-2412	NDD120-2424	NDD120-4812	NDD120-4824
<b>OUTPUT DATA</b>						
Rated voltage	12Vdc	24Vdc	12Vdc	24Vdc	12Vdc	24Vdc
Adj. output voltage range	12...15Vdc	23...27.5Vdc	12...15Vdc	23...27.5Vdc	12...15Vdc	23...27.5Vdc
Continuous current	7A	5A	7A	5A	8A	5A
Overload limit	9.1A	6.5A	9.1A	6.5A	12A	6.5A
Short circuit peak current	12A / 300ms		15A / 300ms	12A / 300ms	13A / 300ms	
Load regulation	< 0.5%			< 1.5%		
Ripple	< 100mVpp		< 150mVpp	< 100mVpp	< 200mVpp	
Hold up time	> 3ms	> 1ms	> 2ms		> 6ms	
Protections	Overload/short circuit: hiccup Over temperature Overvoltage					
Output overvoltage protection	Active > 18Vdc	Active > 33Vdc	Active > 18Vdc	Active > 33Vdc	Active > 18Vdc	Active > 33Vdc
Parallel connection	Possible with external Oring diode					
Status Signals	DC OK – green LED				ALARM – red LED	Dry contact 1A / 24Vdc
<b>INPUT DATA</b>						
Input rated voltage	12Vdc (range 10.5...18Vdc)		24Vdc (range 18...36Vdc)		48Vdc (range 36...72Vdc)	
Input current @ nominal lout	9A ±10%	12A ±10%	5.1A ±10%	5.8A ±10%	2.9A ±10%	2.8A ±10%
Input overvoltage protection	19Vdc active shutdown		38Vdc active shutdown		76Vdc active shutdown	
Internal protection fuse	Fuse 20AT / 250Vac		Fuse 10AT / 250Vac		Fuse 8AT / 250Vac	Fuse 5AT / 250Vac
External protection on AC line	MCB 25A C curve		MCB 13A C curve		MCB 6A C curve	
<b>GENERAL DATA</b>						
Efficiency	> 80%	> 83%	> 87%		> 89%	> 90%
Dissipated power	< 25W		< 16W	< 18W	< 17W	< 13W
Operating temperature	- 20°C...+ 50°C (over temperature protection)					
Derating	No derating					
Overvoltage category	II					
Pollution degree	2 (IEC 664-1)					
Input / output isolation	2.2kVdc					
Input / ground isolation	1.41kVdc					
Output / ground isolation	0.75kVdc					
Standards & Approvals	EN60950 (reference), CE marking					
EMC Standards	EN61000-6-2, EN61000-6-4					
Protection degree	IP20 acc. to EN60529					
Connection terminals	2.5mm <sup>2</sup> , screw type pluggable (24...12AWG)					
Case material	Aluminum					
Approx. Weight	0.550kg					
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					