

Power supplies NS01 for *LinMot®* controllers

The power supplies NS01-72 are switching power supplies, which are compatible with *LinMot®* 72 VDC bus controllers. The wide-range input makes the devices suitable for worldwide use. High peak output currents allow great drive accelerations, especially in multi-axes applications. The power supplies are also available for DC voltage input. The output is protected against overloads, overvoltage and short-circuits. Optionally, an active brake chopper can be delivered, if large braking power is required.



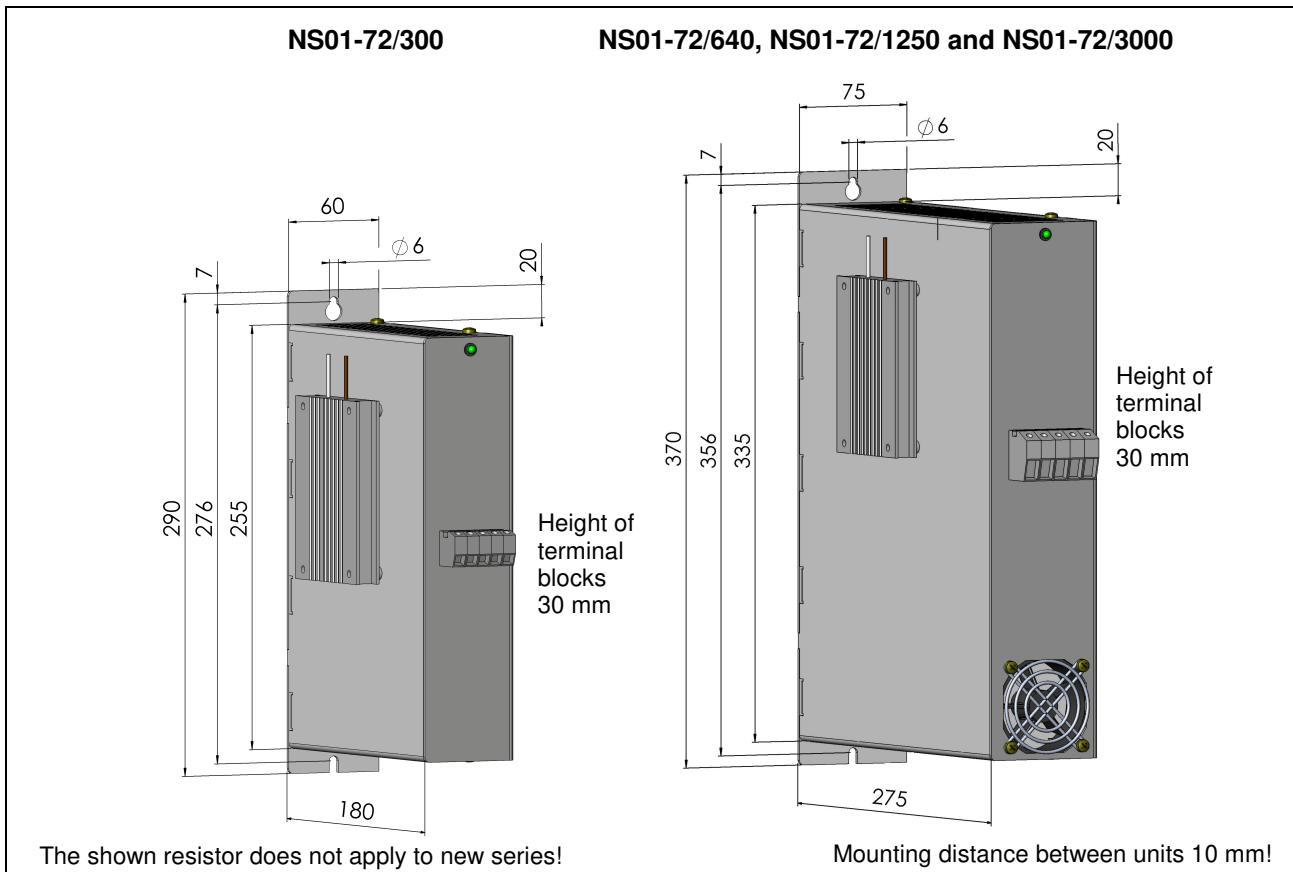
Performance

- compatible with *LinMot®* controller families with 72 VDC bus
- input voltage range 88 VAC - 264 VAC 50/60 Hz or 120 VDC - 350 VDC
- 72 VDC output voltage regulated
- high peak loads
- overvoltage, overload & short circuit protection & temperature control
- slim design
- all components with UL approbation

Technical data - power supplies NS01-72

Technical data		NS01-72/ 300	NS01-72/ 640	NS01-72/ 1250	NS01-72/ 3000
output voltage regulated	VDC		72 V		
AC mains input	VAC		88 VAC - 264 VAC / 47 Hz - 63 Hz		
DC input	VDC		120 VDC - 350 VDC		
peak output power / peak output current 230 VAC mains, max. 10 sec., 35 % duty	W/A	300 W / 4,3 A	640 W / 8,8 A	1.250 W / 17,5 A	3.000 W / 42,0 A
peak output power / peak output current 115 VAC mains, max. 10 sec., 35 % duty	W/A				2.000 W / 28,0 A
eff. output power / eff. output current	W/A				1.500 W / 20,5 A
power consumption at 100 % load	W	40 W	70 W	130 W	160 W
internal cooling fan		no		yes	
stored el. energy in output capacitor	Ws	1,2 Ws	12,0 Ws		12,0 Ws
overvoltage, overload, short circuit & overtemperature protection				yes	
overvoltage protection	V			app. 100 V	
recovering time after overvoltage and thermal shut down				2 to 3 minutes, device must be disconnected from mains!	
commended input fuse 230 VAC mains		4 AT	10 AT	16 AT	
recommended input fuse 115 VAC mains		6 AT	16 AT	25 AT	
terminators		6 mm ²		10 mm ²	
operating temperature / storage temperature	°C			0 - + 45 / - 20 - + 75	
humidity	%			20 - 90 not condensing	
protection grade				IP20	
approbations				UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178	
EMC				FCC-B, CISPR22-B, EN55022-B, VCCI-B	
EMC				IEC61000-3-2	
horizontal distance betw. mounting holes	mm	70		85	
net weight	kg	2,5	3,7	3,8	4,4

Mechanical dimensions



Connecting power supplies NS01-72 with LinMot® controllers

