

DATA SHEET

Power Supply S02-72/1000

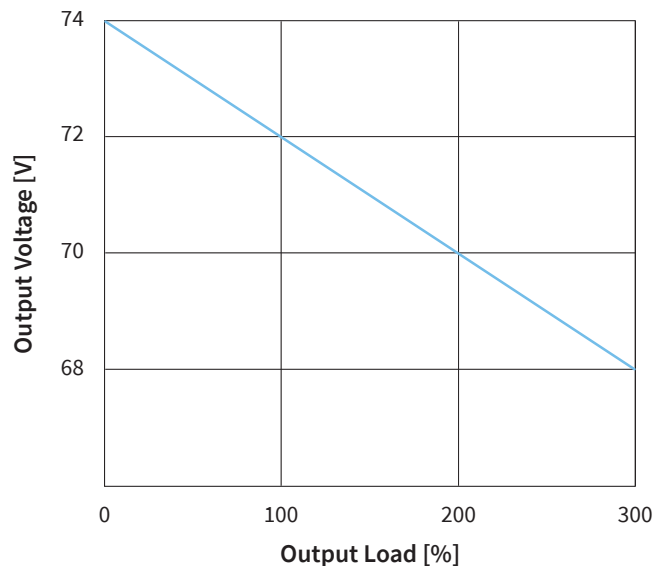


- ✓ Output voltage 72 V
- ✓ Output power 1 kW
- ✓ Powerboost 300 %

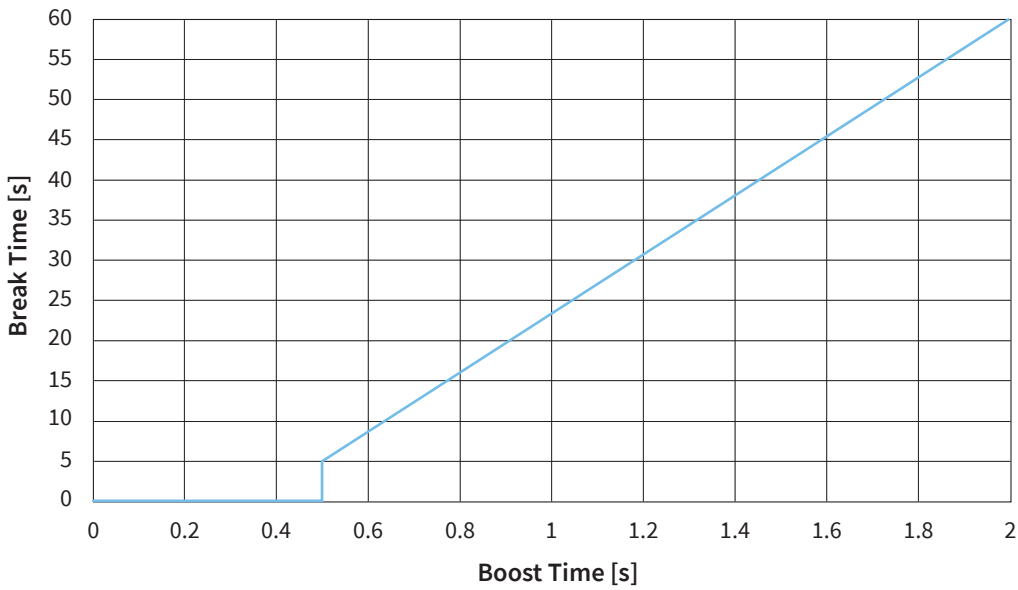
S02-72/1000

Power Supply	Technical Data S02-72/1000
Input	
Input voltage range	3 x 400-480 V _{ac} ±10 %
Power frequency	50/60 Hz
Efficiency	91,5% typ.
Inrush current limitation	< 4 A _{peak} typ.
External fuse	16 A Typ C (UL listed) required
Output	
Preset range V _{out}	72 V _{dc} : ± 1% at 100% load
Max. output power	1000W
Powerboost	Up to 300 % for 2 s, more details see Installation Guide
Start-up delay	600 ms
Rise time	4 ms typ.
Back feeding voltage	Up to 100 V _{dc}
Parallel connection	Yes, up to 3 devices of the same type
Regulation	
Ripple	< 1 %
Response time during load change from 20% to 80% and back	< 2 ms
Protection and Controlling	
Overcurrent protection	Enters current limiting mode to avoid exceeding absolute maximum current rating. Short circuit proof.
Overtemperature protection	Enters current limiting mode if power boost time is exceeded and/or inside temperature becomes too high, reconnection with hysteresis
International Certifications	
	CE (2014/35/EU (LVD) + 2014/30/EU (EMCD) UL 61800-5-1 CSA C22.2 No. 274
EMC	
	EN 61000-6-2 : 2005 (Immunity for industrial environments) EN 61000-6-4 : 2007 (Emission for industrial environments)
Operating Data	
Temperature range	0...40°C, integral, temperature controlled fan, air intake bottom-up (fan switched on/off in two steps dependent on temperature)
Weight	2.6 kg
Mechanics	
Case	For installation in a control cabinet with minimum protection class IP54
Pollution Degree	2
Altitude	< 2000 above sea level
Assembly	Device can be attached to a back wall using mounting tabs
Dimensions L x B x H	240 x 192 x 67 mm
Mounting tab spacing	257 - 262 mm

OUTPUT VOLTAGE REGULATION

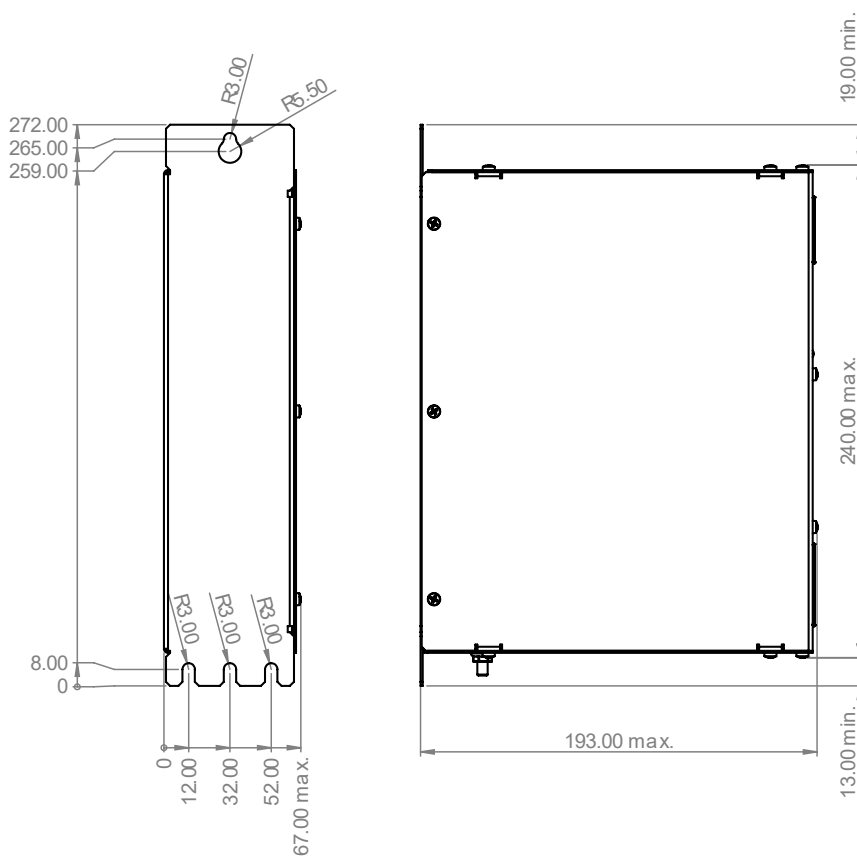


POWER BOOST



The power supply has a power boost functionality which provides up to 300% of the nominal load for up to 2 seconds. After a power boost longer than 0.5 seconds, or if the total boost time in the last 4 seconds was longer than 0.5 seconds, the current is limited to the nominal current until a cooldown period has passed. The cooldown period can be calculated with the figure shown on the left. Below 0.5 seconds, no boost break is necessary. The RMS power of the power supply should not exceed 1 kW with the power boost included.

DIMENSIONS



Dimensions in mm

ORDERING INFORMATION

Item	Description	Item-No.
S02-72/1000-0S	Power Supply 72 V/1000 W, 3x400-480 VAC	0150-4535

ALL LINEAR MOTION FROM A SINGLE SOURCE

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