

DATA SHEET

Power Supply S02-72/600

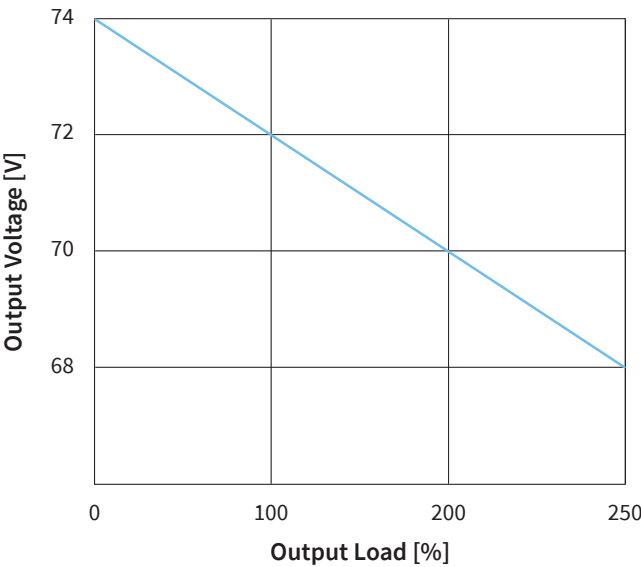


- ✓ Output voltage 72 V
- ✓ Output power 600 W
- ✓ Powerboost 250 %

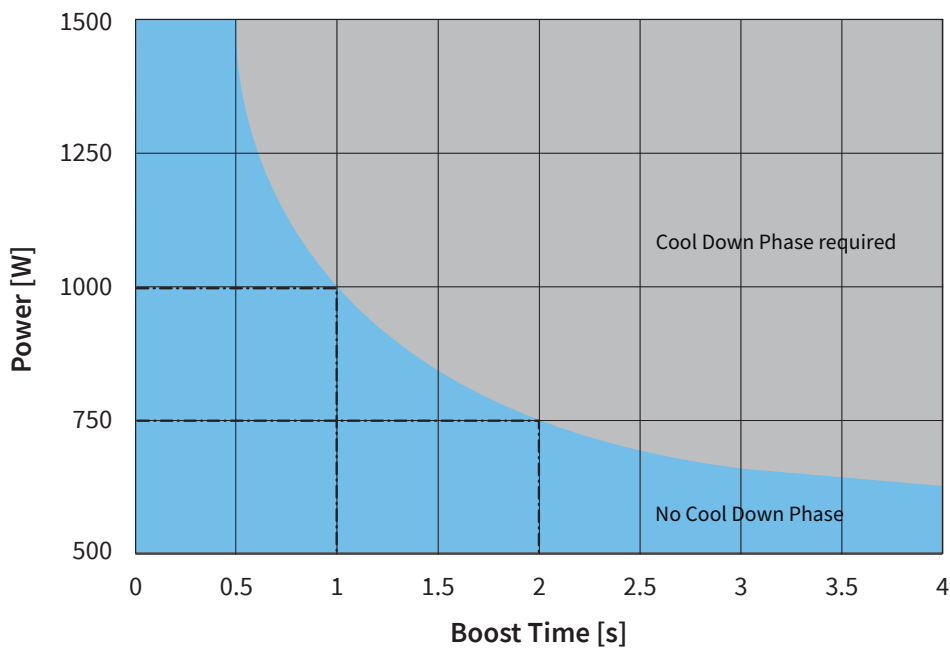
S02-72/600

Power Supply	Technical Data S02-72/600
Input	
Input voltage range	1 x 95-132 V _{AC} / 220-264 V _{AC}
Power frequency	50/60 Hz
Efficiency	91,5% typ.
Inrush current limitation	< 20 A
External fuse	16 A Typ C (UL listed) required
Output	
Preset range V _{out}	72 V _{DC} ; ± 1% at 100% load
Max. output power	600 W
Powerboost	Up to 250 % 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
Weight	1.9 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

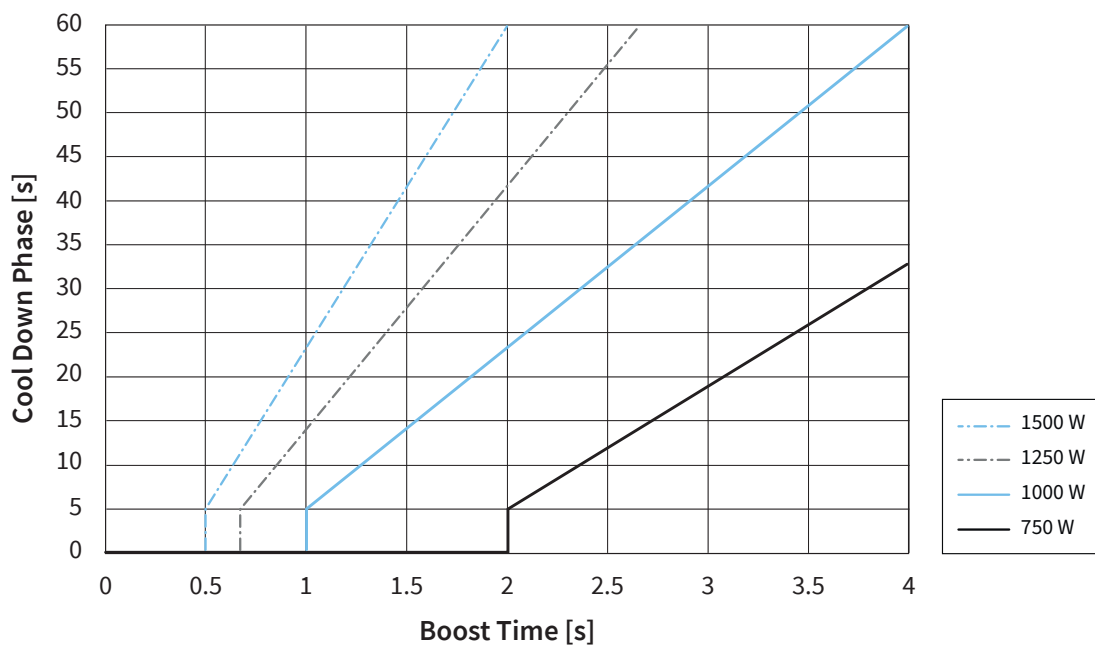
OUTPUT VOLTAGE REGULATION



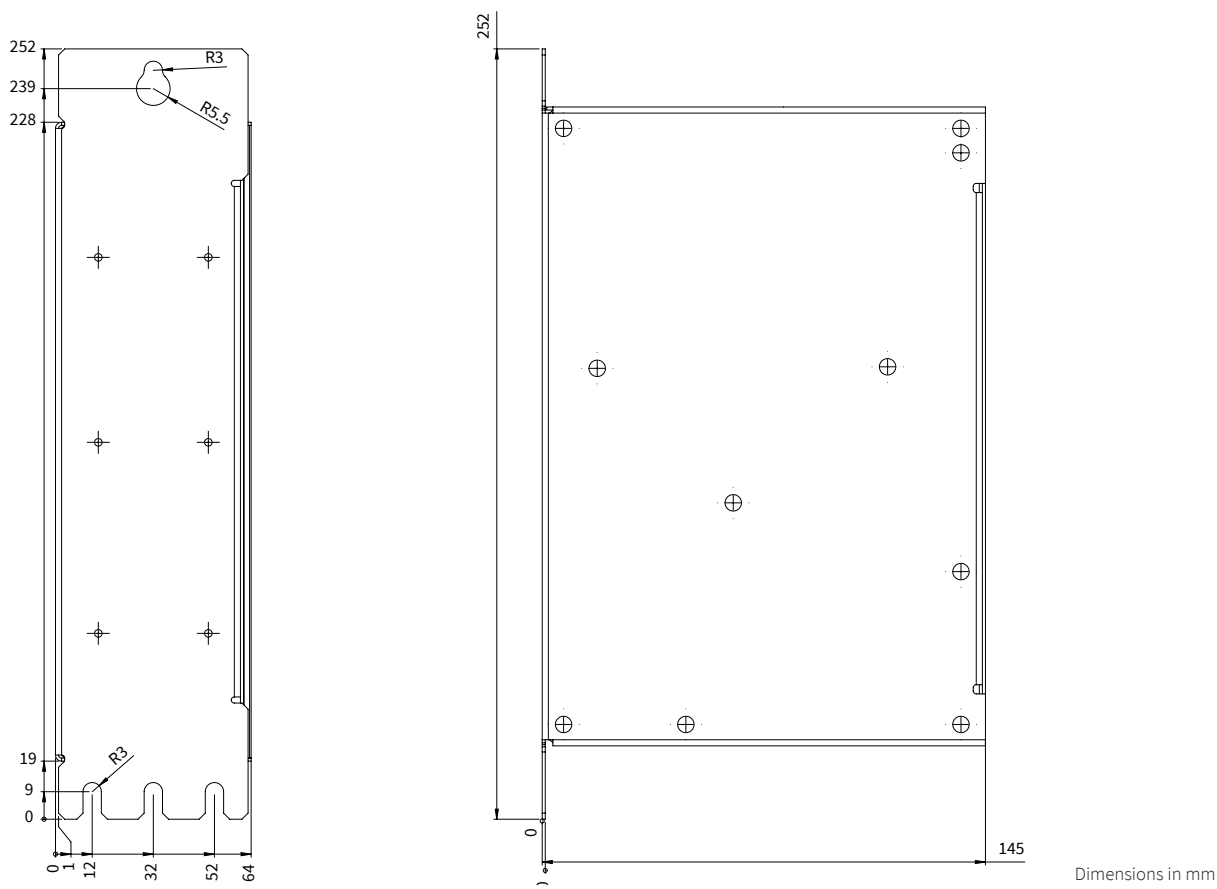
LOAD BEHAVIOUR



The power supply has a power boost function that provides up to 1500Ws for up to 2 seconds. As long as the overload does not exceed 500Ws within 4 seconds, no cool down is required. If the 500Ws overload is exceeded, a cool down period is required due to the overload energy.



DIMENSIONS



ORDERING INFORMATION

Item	Description	Item-No.
S02-72/600	Power Supply 72 V/600 W, 1x110/230 VAC	0150-5700
SM01-600	DIN rail adapter for S02-72/600	0150-6906