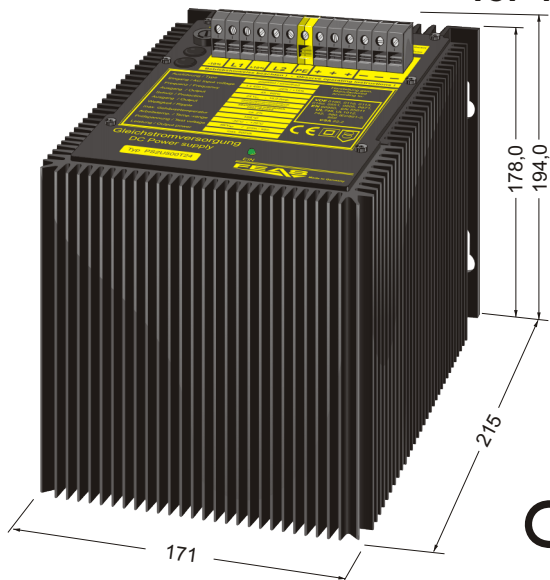
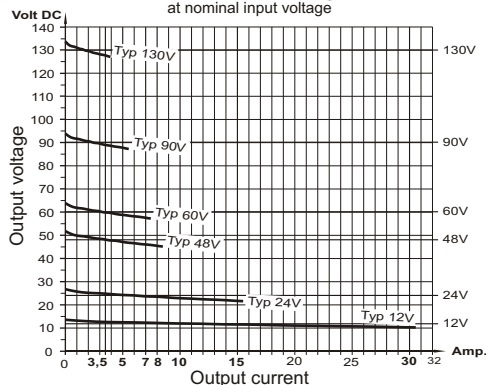


# DC power supply unregulated for 400VAC input voltage type PS2U500T



- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950), **except PS2U500T130**
- Parallel connection possible
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Safety acc. to VDE, EN, UL, CSA

**Load current diagram**  
at nominal input voltage



## Technical data

Input data		
Input voltage AC	400VAC	45 - 66 Hz
Input voltage tolerance	-20% to +15%	
Input current at nominal load	at 400VAC max. 1,3A	
Protective circuit	-	
Hold-up time	20 mSek. typ.	
Output data		
Output voltage $U_{Nominal}$	see table below	
Output current $I_{Nominal}$	see table below	
Current limiting	-	
Residual ripple (100Hz)	< 2%	
Control data		
Control deviation load	-	
Control deviation supply	-	
Control time	-	
Operating data		
Duty circle	100%	
Operating temperature range	-30°C to +70°C	
Derating	-	
Storage temperature range	-30°C...+105°C	
Cooling	selfcooling	
	recommended respective distance 15mm each	
Safety devices		
Fuse for input	5,0A delayed, integrated into the device	
Fuse for output	in dependency of nominal output current	
Overload protection	-	
MTBF	>400.000 h	
Safety data		
Test voltage transformer	5 kVac in accordance to VDE 0551	
High voltage resistance	Primary circuit - secondary circuit 3,75 kVac acc. to VDE 0806 / IEC 380	
Degree of EMI suppression	< K acc. to VDE 0875 and VDE 0877	
Protection class	Class 1 with PE-Connection (EN 60950)	
Extra low safety potential	PELV (EN60204), SELV (EN 60950)	
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient	
Protective class enclosure	IP 65	
Protective class terminals	IP 20 (VGB4)	
Vibration proof	>30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27	
Applied construction regulations		
according to VDE	VDE 0100, 0110, 0113, 0551, 0160/W2, 0806	
IEC	IEC 60950, IEC61000-6-1-2, IEC60068-2-3	
	IEC 60068-2-11-52, IEC 60529, IEC 380	
EN	EN60950, EN50082-1	
	EN61000-6-1-2, EN50178,	
	EN50204, EN61558-2-17	
	EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11	
	EN60068-1, EN60068-2-1-2-3-6-27-30	
	EN45501, EN50021	
CSA / UL	CSA-C 22.2 / UL60950, UL508, UL1950	
Mechanics		
Mounting	wall mounting with screws	

Nominal output voltage	12,0V <sub>DC</sub>	24,0V <sub>DC</sub>	48,0V <sub>DC</sub>	60,0V <sub>DC</sub>	90,0V <sub>DC</sub>	130,0V <sub>DC</sub>	
Range of adjustment output voltage	-10% and +10%	-10% and +10%	-10% and +10%	-10% and +10%	-10% and +10%	-10% and +10%	
Type	PS2U 500T12	PS2U 500T24	PS2U 500T48	PS2U 500T60	PS2U 500T90	PS2U 500T130	
Nominal output current	30,0Amp.	15,0Amp.	8,0Amp.	7,0Amp.	5,0Amp.	3,5Amp.	
Power	360Watt	360Watt	384Watt	420Watt	450Watt	455Watt	
Efficiency	90%	90%	90%	90%	90%	90%	
Dimensions (W x H x D)	171x194x215	171x194x215	171x194x215	171x194x215	171x194x215	171x194x215	
Weight	approx. 11,75kg	approx. 11,75kg	approx. 11,75kg	approx. 11,75kg	approx. 11,75kg	approx. 11,75kg	
Order-No.	581413	581425	581449	581461	581491	5814131	