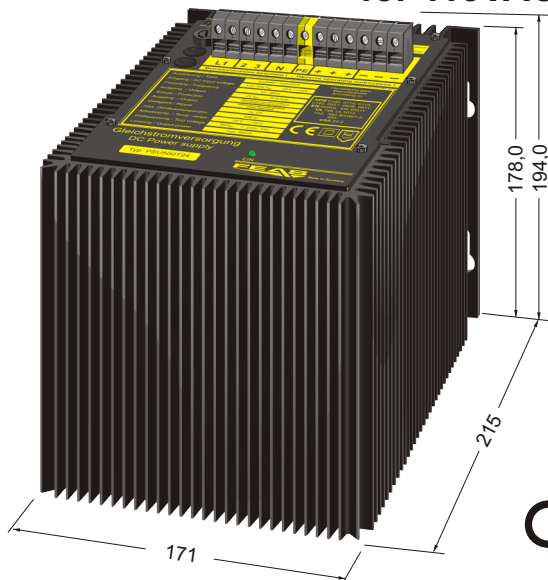
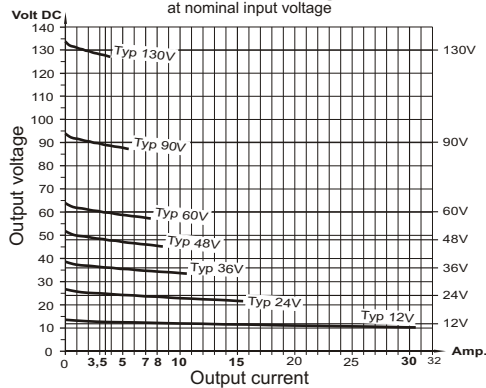


DC power supply unregulated for 115VAC and 230VAC input voltage type PSU500T



- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950), **except PSU500T130**
- 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 | 115VAC / 230VAC | 45 - 66 Hz |
| Input voltage tolerance | -20% to +15% | |
| Input current at nominal load | at 115VAC max. 4,4A, at 230VAC max. 2,2A | |
| 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 | at 115VAC 12,5A delayed, at 230VAC 6,3A delayed |
| 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 suppresion | < 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 _{DC} | 24,0V _{DC} | 36,0V _{DC} | 48,0V _{DC} | 60,0V _{DC} | 90,0V _{DC} | 130,0V _{DC} |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Range of adjustment output voltage | - | - | - | - | - | - | - |
| Type | PSU500T12 | PSU500T24 | PSU500T36 | PSU500T48 | PSU500T60 | PSU500T90 | PSU500T130 |
| Nominal output current | 30,0Amp. | 15,0Amp. | 10,0Amp. | 8,0Amp. | 7,0Amp. | 5,0Amp. | 3,5Amp. |
| Power | 360Watt | 360Watt | 360Watt | 384Watt | 420Watt | 450Watt | 455Watt |
| Efficiency | 90% | 90% | 90% | 90% | 90% | 90% | 90% |
| Dimensions (W x H x D) | 171x194x215 | 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 | approx. 11,75kg |
| Order-No. | 581412 | 581424 | 581447 | 581448 | 581460 | 581490 | 5814130 |