



WIDE RANGE LINE WIPOS PSW.

Our wipos PSW modules not only meet the high market demand for compact power supplies, they also satisfy the requirements of the renewable energy sector. They offer safe protection mechanisms in case of mains failure, as well as over and under voltage.



- + 1, 2 or 3-phase input AC (187-550 V) + DC (250-750 V)
- + Active PFC according to EN 61000-3-2
- + High efficiency: >92 %
- + Models for 24 V/48 V DC output
- + Compact dimensions W x H x D (73 x 140 x 137 mm)
- + Can also be used for solutions in the renewable energy sector thanks to diverse safety mechanisms (input undervoltage lock-out, output excess current, short circuit, over-temperature)
- + Status and diagnosis (overload, DC OK LED, DC OK relay contact)



PERFORMANCE FEATURES

| | |
|-------------------------------|----------------------|
| + AC or DC input | 1-phase or 2/3-phase |
| + DC output power | 480 W |
| + Voltage | 24 V, 48 V |
| + Output current | 10 - 20 A |
| + Power Boost | 150 % (5 s) |
| + Temperature range | -40 °C...+70 °C |
| + Mains failure bridging time | >30 ms |



WIDE RANGE LINE · WIPOS PSW · TECHNICAL DATA



| Description | wipos PSW 24-20 | wipos PSW48-10 |
|-------------|-----------------|----------------|
| Art. No. | 81.000.7530.0 | 81.000.7531.0 |

| Output | | |
|---------------------------|-------|-------|
| Power output | 480 W | 480 W |
| Output voltage DC nominal | 24 V | 48 V |
| Output voltage DC min. | 23 V | 45 V |
| Output voltage DC max. | 28 V | 55 V |
| Output current | 20 A | 10 A |

| Input | | |
|----------------------------|-------|-------|
| Input voltage DC min.-max. | 250 V | 250 V |
| Input voltage DC min.-max. | 725 V | 725 V |
| Input voltage AC min.-max. | 187 V | 187 V |
| Input voltage AC min.-max. | 550 V | 550 V |

| Technical features | | |
|---------------------|----------------------|----------------------|
| PFC | Yes | Yes |
| Power Boost | 150 % (5 s) | 150 % (5 s) |
| Bridging time | >30 ms | >30 ms |
| Derating | over 45 °C: -10 W/°C | over 45 °C: -10 W/°C |
| Efficiency | 92 % | 91 % |
| MTBF | > 500,000 h | > 500,000 h |
| Modular version | No | No |
| Parallel connection | Yes | Yes |
| Housing material | Aluminum | Aluminum |

| Dimensions | | |
|------------|--------|--------|
| Depth | 125 mm | 125 mm |
| Width | 73 mm | 73 mm |
| Height | 140 mm | 140 mm |
| Weight | 1 kg | 1 kg |



GENERAL TECHNICAL DATA FOR THE SERIES

| | |
|---|------------------------------|
| Number of phases | 1, 2 or 3-phase power supply |
| Terminal type | Pluggable clamps |
| Rail mounting possible | Yes |
| Operating temperature min.-max. | -40 °C...+70 °C |
| Relative humidity min.-max. | 5 - 95 % |
| Storage temperature / transport min.-max. | -40 °C...+80 °C |
| Protection class | IP20 |
| Certificates / Approvals | CE, cULus |