



PSD18



PSD30 and PSD60



PSD120

**Switch-mode supplies,
Output 18, 30, 60 or 120 W
Short-circuit and over-load protected.
High efficiency, 77 to 86%
Supply voltage 90 to 265 VAC,
except PSD120: 115 and 230 VAC
DIN-rail mounting.
Made in accordance with the **CE**
and EMC regulations**

These switch-mode regulated power supplies are made particularly for industrial applications. The units have a very high efficiency and therefore also small dimensions compared with the output power.

Common Technical data:

Supply frequency: 47 - 63 Hz
Operating temp.: -10°C to +50°C with full output.
At ambient temperatures between 51 and 71°C, the max. output power derates with 2% / °C

Isolation voltage: Supply - output: 3 kVAC
Humidity: 20-95% RH, non-condensing.
Switching frequency: 100 kHz (PSD18)
50 kHz (PSD30 and PSD60)
80 kHz (PSD120)
Ripple/noise: Max. 50 mVpp.
Material:
PSD120: Metal housing
other units: NORYL
Installation: 25 mm free space recommended for ventilation above / below unit.

Approvals and standards:

UL/cUL UL508 / UL1310 / UL1950
TÜV IEC60950
EMC EN50081-1 / EN55022 for EMI
EN50082-1 / EN55024 for EMS
PSD120 only: EN61000-4-2, EN61000-4-3
EN61000-4-4, EN61000-4-5
EN61000-4-6, EN61000-4-8

Other voltages available on request

Type	Output power	DC-output	Max. current	Fine adjustment	Efficiency	Inrush current	Mech. dimensions	Weight
PSD18-5	18 W	5 V	3.6 A	90-120%	77%	18 A	90 x 115 x 22.2	240 g
PSD18-12	18 W	12 V	1.5 A	90-120%	77%	18 A	90 x 115 x 22.2	240 g
PSD18-24	18 W	24 V	0.75 A	90-120%	77 %	18 A	90 x 115 x 22.2	240 g
PSD30-12	30 W	12 V	2.5 A	100-117%	84 %	32 A	90 x 115 x 40.5	290 g
PSD30-24	30 W	24 V	1.25 A	100-117%	84 %	32 A	90 x 115 x 40.5	290 g
PSD60-12	60 W	12 V	5.0 A	100-117%	84 %	32 A	90 x 115 x 40.5	360 g
PSD60-24	60 W	24 V	2.5 A	100-117%	86 %	32 A	90 x 115 x 40.5	360 g
PSD120-24	120 W	24 V	5.0 A	93-125%	86 %	48 A	124 x 136 x 63.4	860 g