



The better choice

Wide-range switching power supply units WNT12 6, 12 and 24 W	I0
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Wide-range switching power supply units WNT12

The better choice

Power supply units can be high power consumers - but not the modern wide-range switching power supply units from ELTAKO: the standby loss for the 6, 12 and 24W models is only 0.2 watt!

An important factor governing the output of power supply units is efficiency. Here you can expect peak values of 83% to 87% from our products.

WNT12-12V DC-6W/0,5A and WNT12-24V DC-6W/0,25A

min 

88-264 V AC



-	+
SEC (+/-) 24V DC / 0,25A	
PRI (L/N) 88-264V / 50-60Hz	
N	L

Rated capacity 6 W. Standby loss 0.2 watt only.

Modular devices for DIN 50022 rail mounting.

1 module = 18 mm wide, 58 mm deep.

Even at full load a ventilation clearance is not necessary.

Wide-range input voltage 88 - 264 V (110 V -20 % up to 240 V +10 %).

Efficiency 12 V DC 83 %, 24 V DC 86 %. Stabilised output voltage $\pm 1\%$, low residual ripple. Short-circuit proof.

Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

WNT12-12V DC-6W/0,5A
WNT12-24V DC-6W/0,25A

EAN 4010312 300091
EAN 4010312 300107

WNT12-12V DC-12W/1A and WNT12-24V DC-12W/0,5A

min 

88-264 V AC



-	+
SEC (+/-) 24V DC / 0,5A	
PRI (L/N) 88-264V / 50-60Hz	
N	L

Rated capacity 12 W. Standby loss 0.2 watt only.

Modular devices for DIN 50022 rail mounting.

1 module = 18 mm wide, 58 mm deep.

At a load of more than 50 % of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.

Wide-range input voltage 88 - 264 V AC (110 V -20 % bis 240 V +10 %).

Efficiency 12 V DC 83 %, 24 V DC 86 %. Stabilised output voltage $\pm 1\%$, low residual ripple. Short-circuit proof.

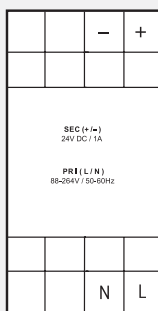
Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

WNT12-12V DC-12W/1A
WNT12-24V DC-12W/0,5A

EAN 4010312 901748
EAN 4010312 901755

Recommended retail prices excluding VAT.

88-264 V AC



Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

EAN 4010312 300077
EAN 4010312 300084

88-264 V AC



Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

EAN 4010312 300114

Technical data

Type	WNT12-12V DC- 6W/0,5A	WNT12-24V DC- 6W/0,25A	WNT12-12V DC- 12W/1A	WNT12-24V DC- 12W/0,5A	WNT12-12V DC- 24W/2A	WNT12-24V DC- 24W/1A	WNT12-24V DC- 48W/2A
Output wattage	6W ¹⁾	6W ¹⁾	12W ²⁾	12W ²⁾	24W ²⁾	24W ²⁾	48W ²⁾
Output voltage, tolerance ±	12V DC, ±1%	24V DC, ±1%	12V DC, ±1%	24V DC, ±1%	12V DC, ±1%	24V DC, ±1%	24V DC, ±1%
Output current	0.5A	0.25A	1A	0.5A	2A	1A	2A
Standby loss	0.2W	0.2W	0.2W	0.2W	0.2W	0.2W	0.4W
Residual ripple	100mV	100mV	100mV	100mV	100mV	100mV	100mV
Supply voltage	88-264V AC 120-370V DC	88-264V AC 120-370V DC	88-264V AC 120-370V DC	88-264V AC 120-370V DC	88-264V AC 120-370V DC	88-264V AC 120-370V DC	88-264V AC 120-370V DC
Insolation class	II	II	II	II	II	II	II
Class of protection	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Starting current ³⁾	18A/230V	18A/230V	18A/230V	18A/230V	18A/230V	18A/230V	18A/230V
Efficiency	83%	86%	83%	86%	83%	87%	87%
Overload protection short-term	160-200%	160-200%	160-200%	160-200%	160-200%	160-200%	160-200%
Overvoltage protection	140-170%	140-170%	140-170%	140-170%	140-170%	140-170%	140-170%
Short-circuit proof ⁴⁾	yes	yes	yes	yes	yes	yes	yes
Over-temperature protection ⁴⁾	yes	yes	yes	yes	yes	yes	yes
Switchable in parallel, number	2	2	2	2	2	2	—
Size	1 module, 18mm	1 module, 18mm	1 module, 18mm	1 module, 18mm	2 modules, 36mm	2 modules, 36mm	4 modules, 72mm
Operating temperature °C	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50

¹⁾ Even at full load a ventilation clearance is not necessary.

²⁾ At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.

³⁾ If connected on the primary side, 2ms.

⁴⁾ With autorecovery function after fault clearance.