

### Features

- ◆ Universal input: 90–264 VAC or 120–370 VDC
- ◆ Active power factor correction (>0.95)
- ◆ High efficiency up to 93%
- ◆ Load share function for up to 3 units in parallel
- ◆ Adjustable output voltage
- ◆ EMI/EMC compliance with EN 61000-6-3 and EN 61000-6-1
- ◆ Remote control input
- ◆ Rear side IEC-C13 line socket, including mains switch and fuse
- ◆ DC-OK signal and 5 VDC auxiliary output
- ◆ Protection against over-voltage, over-temperature, overload and short circuit
- ◆ 3-year product warranty



The TXH 600 series models are very compact 600 Watt universal power supplies. Rear side IEC-C13 line socket including mains switch and fuse and the output screw terminal make the connection of these power supplies very easy. Sense line, auxiliary output, remote control, adjustable output voltage, and load share line for up to 3 units in parallel make the units all-purpose applicable.

They come with an active power factor correction. The EMC characteristic is dedicated for applications in industry, IT and domestics. The protection against over-voltage, over-temperature, overload and short circuit and a high efficiency of up to 93% guarantees a reliable operation.

### Models

Order code	Output power max.	Output voltage nom.	Output current max.	Efficiency typ.
TXH 120/240/360/480	120 – 480 Watt	Other power models see separate datasheets: <a href="http://www.tracopower.com">www.tracopower.com</a>		
TXH 600-112	540 Watt	12 VDC	45 A	90 %
TXH 600-124	600 Watt	24 VDC	25 A	92 %
TXH 600-148	600 Watt	48 VDC	12.5 A	92 %
TXH 600-154	600 Watt	54 VDC	11.1 A	93 %

### Input Specifications

Input voltage	<ul style="list-style-type: none"> <li>- nominal</li> <li>- AC range (universal input)</li> <li>- DC range</li> <li>- Output power derating at operation below 110 VAC</li> </ul>	100 – 240 VAC 90 – 264 VAC 120 – 370 VDC 1%/V (110 - Vin)
Input frequency		47 – 63 Hz
Earth leakage current (240 VAC / 63 Hz)		3.5 mA max.
Harmonic limits	<ul style="list-style-type: none"> <li>- Power factor</li> </ul>	EN 61000-3-2, Class A & D >0.99 at 115 VAC, >0.95 at 230 VAC
Input current at full load	- at 115 VAC / 230 VAC	rated 8.0 A / 3.5 A typical: 6.0 A / 2.9 A
Circuit breaker (slow blow fuse)		16 A internal

### Output Specifications

Voltage set accuracy		±2 % max.
Output voltage adjustment range		±5 % with internal potentiometer
Regulation	<ul style="list-style-type: none"> <li>- Input variation</li> <li>- Load variation (5–100%)</li> </ul>	±1 % max. ±1 % max.
Minimum load		1%
Ripple and noise (20 MHz bandwidth)		<1% Vout [mVp-p]
Hold-up time		12 ms min.
Current limitation		auto recovery
Short circuit protection		no auto recovery (power disconnect required)
Overvoltage protection		by zener diode
Overtemperature protection		auto recovery
Capacitive load	12 VDC models: 24 VDC models: 48 VDC models: 54 VDC models:	60'000 µF max. 50'000 µF max. 20'000 µF max. 10'000 µF max.

### General Specifications

Temperature ranges	<ul style="list-style-type: none"> <li>- Operating</li> <li>- Storage (non operating)</li> </ul>	-25°C to +70°C -25°C to +85°C
Cooling		internal fan (variable fan speed, temperature regulated)
Derating	+50°C to +65°C: +65°C to +70°C:	2.2 %/K 3.3 %/K
Temperature coefficient		0.03 %/K
Humidity (non condensing)		95 % rel max.
Switching frequency (pulse width modulation PWM)		110 kHz typ. ±10%
Isolation voltage (60 s)	<ul style="list-style-type: none"> <li>- Input/Output</li> <li>- Input/Case</li> <li>- Output/Case</li> </ul>	3'000 VAC 1'500 VAC 500 VAC
Reliability /calculated MTBF (MIL-HDBK-217F, at +25°C, ground benign)		>100'000 h

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.