

### Features

- ◆ Universal input: 90–264 VAC or 120–370 VDC
- ◆ Active power factor correction (>0.95)
- ◆ High efficiency up to 93%
- ◆ Current 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 current 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    | see: <a href="http://www.tracopower.com/products/txh.pdf">www.tracopower.com/products/txh.pdf</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                           | – nominal<br>– AC range (universal input)<br>– DC range<br>– Output power derating at operation below 110 VAC | 100 – 240 VAC<br>90 – 264 VAC<br>120 – 370 VDC<br>1%/V (110 - Vin) |
| Input frequency                         |   | 47 – 63 Hz   |
| Earth leakage current (240 VAC / 63 Hz) |   | 3.5 mA max.  |
| Harmonic limits                         | – Power factor  | EN 61000-3-2, Class A & D<br>>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<br>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                            | – Input variation<br>– Load variation (0–100%)                       | 1 % max.<br>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 |  | 120 % of Vout typ. auto recovery                                     |
| Overtemperature protection            |  | auto recovery  |
| Capacitive load, [µF] max.            | 12 VDC models:<br>24 VDC models:<br>48 VDC models:<br>54 VDC models: | 60'000 µF max.<br>50'000 µF max.<br>20'000 µF max.<br>10'000 µF max. |

### General Specifications

|   |   |                                   |
|---|---|-----------------------------------|
| Temperature ranges  | – Operating<br>– Storage (non operating)        | –25°C to +65°C<br>–25°C to +85°C  |
| Derating  |   | 4 %/K above +50°C                 |
| Temperature coefficient   |   | 0.03 %/K                          |
| Humidity (non condensing)   |   | 95 % rel max.                     |
| Switching frequency (pulse width modulation PWM)                      |   | 110 kHz typ. ±10%                 |
| Isolation voltage (60 sec.)   | – Input/Output<br>– Input/Case<br>– Output/Case | 3'000 VAC<br>1'500 VAC<br>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.