



- Alternative or Replacement for AC Transformer
- Three Phase Input – DC Output
- DIN-Rail Mountable
- Width only 96mm
- 95.5% Efficiency
- 125% Peak Power Capability
- No Input Inrush Current
- Active Input Transient Blocker
- Full Power Between -25°C and +60°C
- Easy Failure Diagnostics
- No Electrolytic Capacitors on Input Side
- Cost Effective and Robust
- 3 Year Warranty

### 1. GENERAL DESCRIPTION

The power supplies in the Dimension X-Series include a new and innovative concept for generating an isolated DC voltage from a three-phase mains system.

A semi-regulated resonant converter enables a very compact design, maximum efficiency and extremely competitive pricing with only a small compromise in the output voltage regulation, output ripple and hold-up time.

Weighing just 1.4 kg, the device provides 960 watts of continuous output power and an additional 25% power reserve for dynamic loads. The light-weight design along with compact dimensions facilitate straightforward mounting on DIN-rail.

Primary use are applications involving supplies to motors, valves and other load circuits with a high power consumption, where an accurate output voltage regulation which is standard on traditional switched-mode power supplies is not required. Furthermore, these switched-mode power supplies can often replace mains transformers with rectifiers.

### 2. SHORT-FORM DATA

Output voltage	DC 72V	
Adjustment range	none	
Output current	13.3A	continuous
	16.7A	for typ. 15s
Output power	960W	continuous
	1200W	for typ. 15s
Output ripple	< 3000mVpp	20Hz-2kHz
	< 200mVpp	2kHz to 20MHz
Input voltage	3AC 400V	XT40.721
	3AC 480V	XT40.722
Mains frequency	50-60Hz	±6%
AC Input current	1.65A / phase	XT40.721, 3x400V
	1.4A / phase	XT40.722, 3x480V
Power factor	0.93	72V, 13.3A
AC Inrush current	typ. 2A peak	
Efficiency	95.5%	
Losses	45.2W	
Temperature range	-25°C to +70°C	operational
Derating	24W/°C	+60 to +70°C
Dimensions	96x124x159mm	WxHxD

### 3. ORDER NUMBERS

Power Supply	<b>XT40.721</b>	400V Input
	<b>XT40.722</b>	480V Input

### 4. MARKINGS

