



## TÁPEGYSÉG 3 FÁZIS, 36 VDC DIMENSION X SZÉRIA

36 V DC, 26,6 A, félig szabályozott

XT40.361

PSU 3PH 400V ac I/P 36V dc 26.6A 960W O/P

- 96mm széles
- 95,5%-os hatásfok
- 125 % teljesítménynövelés
- Alkalmas motorok táplálásához

# PULS



### TERMÉKLEÍRÁS

## MŰSZAKI ADATOK

Active Transient	Igen
Efficiency At 400 V AC, full load. Typical	95,5 %
Hold-up time at 400 V AC, full load. Typical.	3 ms
Input voltage AC	400 V
Input voltage ac max	440 V AC
Input voltage ac min	360 V AC
Inrush current at 400 V ac typical	4 A
IP-osztály	IP20
Jóváhagyások	CB, CE, CSA, UL
Magasság	124 mm
Mélység	159 mm
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	529000 h
Output Current	26,6 A
Output voltage	36 V DC
Output voltage max	36 V DC
Output voltage min	36 V DC
Power consumption at 400 V ac	1,65 A

Power Factor at 400 V AC, full load. Typical	0,93
Power Reduction Of 60 To 70 ° C	24 W/°C
Ripple. max	250 mV pp
Series	Dimension X
Supply Frequency	50-60 ±6 %
Szélesség	96 mm
Teljesítmény	960 W
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	60 °C
Tömeg	1,4 kg
Védőanyag	Alumínium

Fig. 5-1 Output voltage vs. input voltage and input current

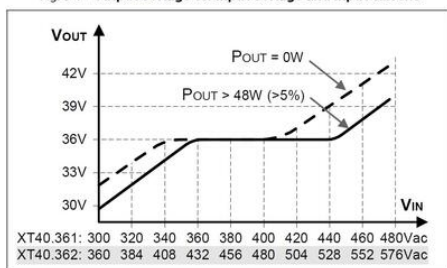


Fig. 7-1 Output voltage vs. output current, typ.

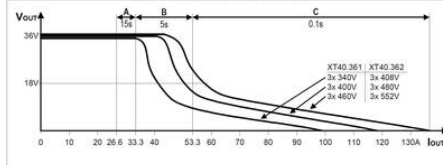


Fig. 15-1 Output current vs. ambient temp.,

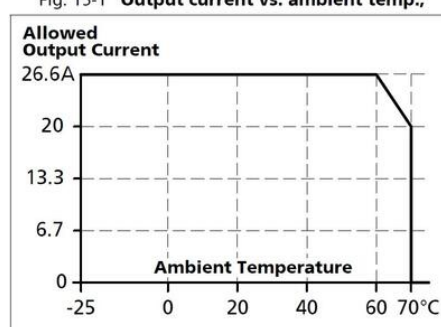


Fig. 9-1 Efficiency vs. output current

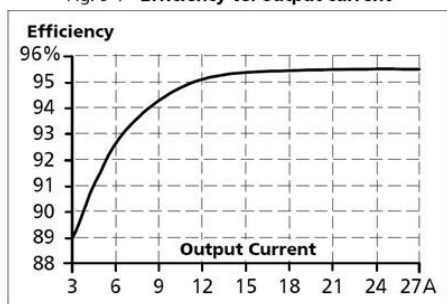
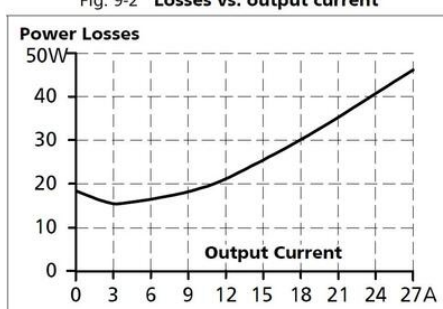


Fig. 9-2 Losses vs. output current



25. COMPARISON BETWEEN THE XT40, A TRANSFORMER AND A TRADITIONAL SWITCHED-MODE POWER SUPPLY

	XT40 Semi-regulated power supply	Traditional switched-mode power supply	Transformer power supply
Input voltage range	+	++	-
Inrush current surge	++	+	-
Hold-up time	-	+	-
Phase-loss operation	-	+	-
Efficiency	+++	++	-
Output voltage regulation	+	++	-
Output adjustment range	-	+++	-
Ripple & noise voltage	-	++	-
Error diagnostics	++	++	-
Harmonic distortion (THD)	+	+	-
EMC	+++	+++	+
Ease of installation	+++	++	-
Size	+++	++	-
Weight	+++	+	-

+++...very, very good ++...very good +...good -...poor

Fig. 11-1 Front side of XT40.361



**DC-OK LED (green)**  
Indicates a normal operation. The LED is on if the output voltage is higher than 32.4V.

**Warning LED (yellow)**  
A steady-state light indicates an output current higher than the nominal current and that the internal shutdown timer is running.

**Shut-down LED (red) and reset button**  
The red LED flashes when the device has shut down. Pressing the reset button or cycling the input power (10s required) initiates a restart. If the fault has been cleared the device will operate normally.

Fig. 22-1 Front view

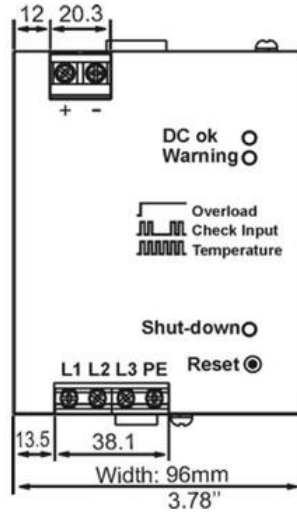


Fig. 22-2 Side view

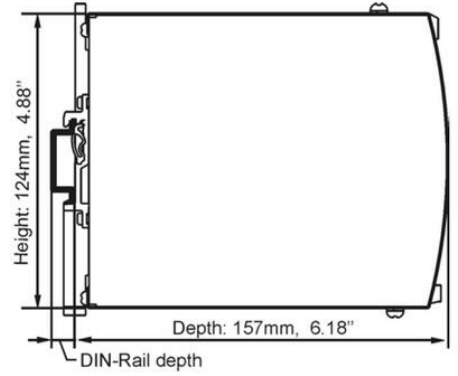


Fig. 5-1 Output voltage vs. input voltage and input current

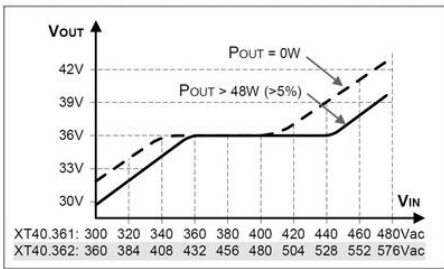


Fig. 7-1 Output voltage vs. output current, typ.

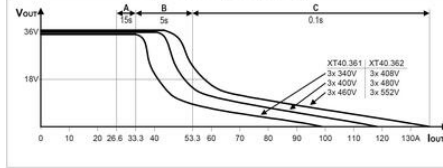


Fig. 15-1 Output current vs. ambient temp., Allowed Output Current

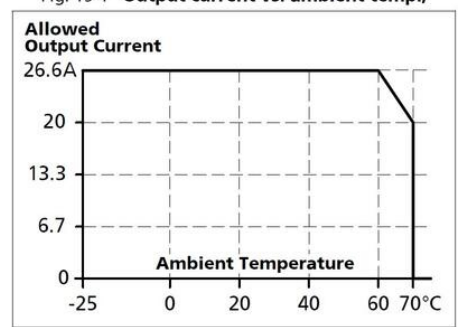


Fig. 9-1 Efficiency vs. output current

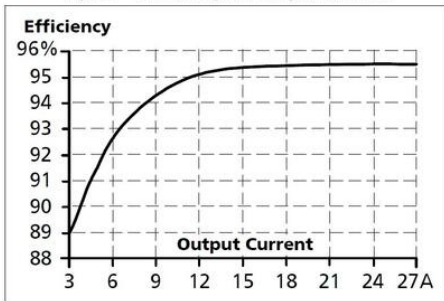
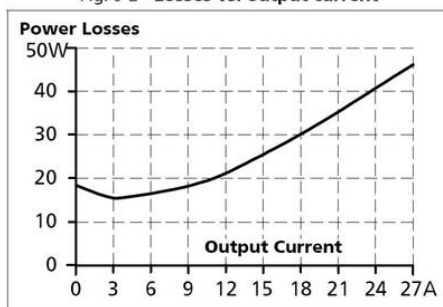


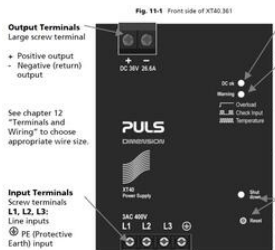
Fig. 9-2 Losses vs. output current



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Inrush current surge	++	+	-
Hold-up time	-	+	-
Phase-loss operation	-	+	-
Efficiency	+++	++	-
Output voltage regulation	+	++	-
Output adjustment range	-	++	-
Ripple & noise voltage	-	++	-
Error diagnostics	++	++	-
Harmonic distortion (THD)	+	+	-
EMC	++	++	-
Ease of installation	++	++	-
Size	+++	+	-
Weight	+++	+	-

+++ - very, very good    ++ - very good    + - good    - - poor



**DC-OK LED (green)**  
Indicates a normal operation. The LED is on if the output voltage is higher than 32.4V.

**Warning LED (yellow)**  
A steady-state light indicates an output current higher than the nominal current and that the internal shutdown timer is running.

- A double flash indicates a phase-loss or too low / too high input voltage. (XT40.361: <math>3 \times 330V</math> or <math>3 \times 487V</math>; XT40.362: <math>3 \times 400V</math> or <math>3 \times 550V</math>)
- A fast flash warns of an impending temperature shut-down. A shut-down can be expected within 10 minutes, if the ambient temperature or the load current stays constant.

**Shut-down LED (red) and reset button**  
The red LED flashes when the device has shut down. Pressing the reset button or cycling the input power (10s required) initiates a restart. If the fault has been cleared the device will operate normally.

Fig. 22-1 Front view

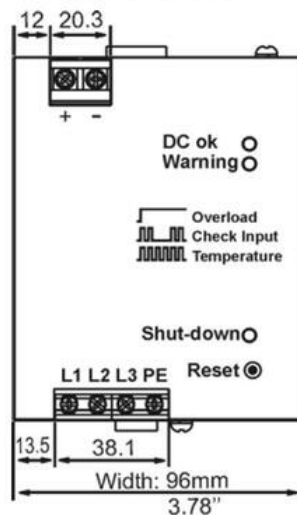


Fig. 22-2 Side view

