

STRØMFORSYNING DIMENSION X-SERIEN

XT40.361

Strømforsyning 400V AC 36V DC 26A



PRODUKTBESKRIVELSE

SPECIFIKATIONER

Indgangsspænding AC	400 V
Indgangsspænding AC min	360 V AC
Indgangsspænding AC max	440 V AC
Startstrøm ved 400 V AC. typisk	4 A
Effektfaktor ved 400 V AC, fuld belastning. typisk	0,93

Udgangsspænding DC	36 V DC
Udgangsspænding min	36 V DC
Udgangsspænding max	36 V DC
Udgangsstrøm	26,6 A
Effekt	960 W

Virkningsgrad ved 400 V AC, fuld belastning. typisk	95,5 %
MTBF (IEC 61709) 400 V ac, max loan, +40 °C	529000 h

Bredde	96 mm
Højde	124 mm
Dybde	159 mm

Vægt	1,4 kg
Godkendelser	CB, CE, CSA, UL
Holdetid ved 400 V AC, fuld belastning. Typisk	3 ms
IP-klasse	IP20
Materiale kapsling	Aluminium
Netfrekvens	50-60 ±6 %
Rippel, max	250 mV pp
Serie	Dimension X
Strømforbrug ved 400V AC	1,65 A
Reduktion strøm over +60 til +70 ° C	24 W/°C
Temperaturområde uden reduktion fra	-25 °C
Temperaturområde uden reduktion til	60 °C
Aktivt transientfilter	Ja

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

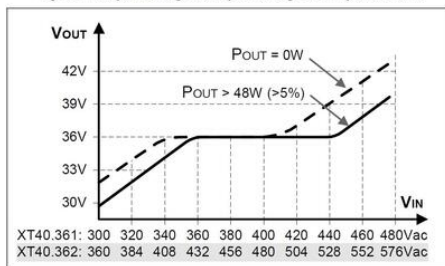


Fig. 7-1 Output voltage vs. output current, typ.

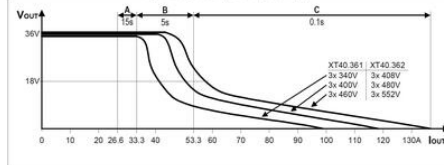


Fig. 15-1 Output current vs. ambient temp., Allowed Output Current

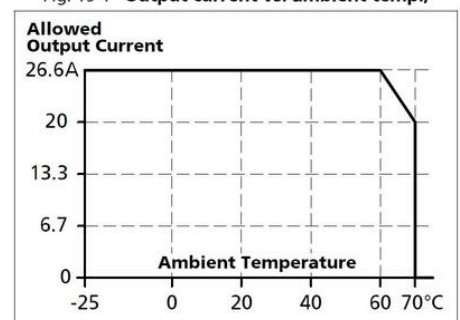


Fig. 9-1 Efficiency vs. output current

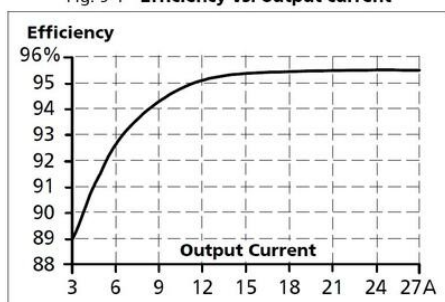
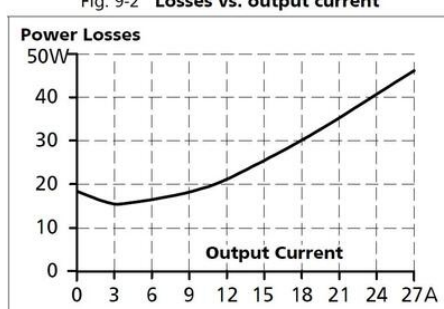


Fig. 9-2 Losses vs. output current



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 (PFC)	+	+	-
EMC	++	++	+
Ease of installation	++	++	-
Size	+++	++	-
Weight	+++	+	-

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

Fig. 11-1 Front side of XT40.361



Fig. 22-1 Front view

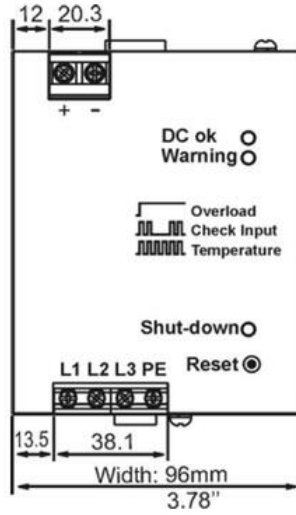


Fig. 22-2 Side view

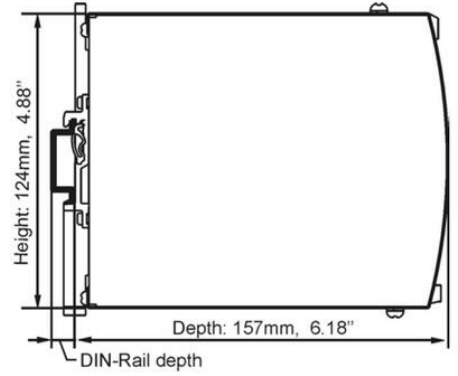


Fig. 5-1 Output voltage vs. input voltage and input current

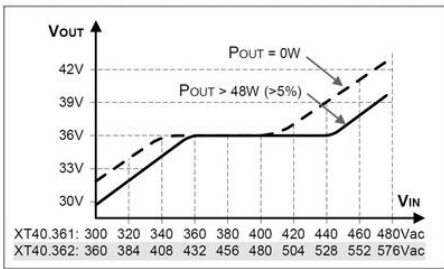


Fig. 7-1 Output voltage vs. output current, typ.

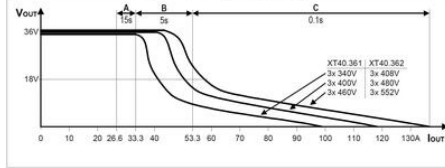


Fig. 15-1 Output current vs. ambient temp., Allowed Output Current

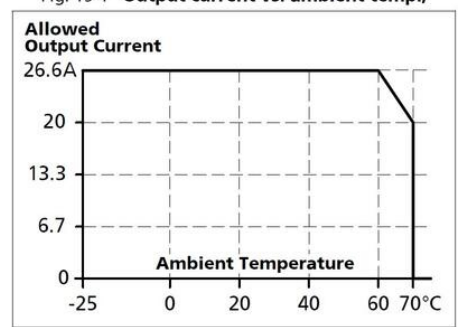


Fig. 9-1 Efficiency vs. output current

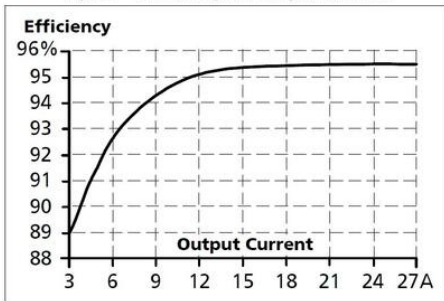
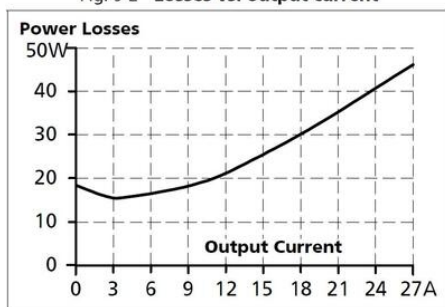


Fig. 9-2 Losses vs. output current



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	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. 22-1 Front view

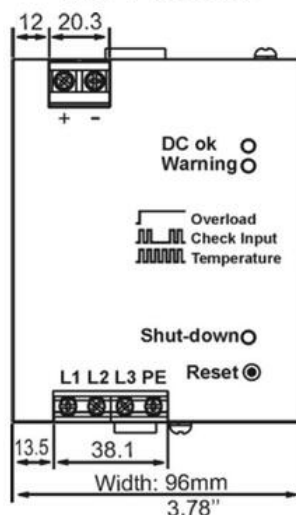


Fig. 22-2 Side view

