



GRZELKA ELEKTRONIK GMBH
 MR R GRZELKA
 AN DER WOLFSKAUL 19
 41812 ERKELENZ GERMANY

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your project.

For information on placing an order for UL Listing Cards in a 3 x 5 inch format, please refer to the enclosed ordering information.

QQGQ8 January 9, 2001
Power Supplies, Information Technology Equipment including Electrical Business Equipment Certified For Canada - Component

GRZELKA ELEKTRONIK GMBH **E161342**
AN DER WOLFSKAUL 19, 41812 ERKELENZ GERMANY

Model No.	Rated Input		SC	Output			OC	SP	EP	FC	GC
	V	Hz		Max V	Max A	Max VA					
GP-100PFC(2)	115/230	50/60	0	5.0	8.5	42.5	3	950	20B	0	1
				12.0	4.5	54					
				-5.0	0.3	1.5					
				-12.0	0.3	3.6					
GP-235TX(2)	100-120/ 200-240	47-63	0	5.0	20	100	3	950	20B	0	1
				12.0	9	108					
				-5.0	0.3	1.5					
				-12.0	0.8	9.6					
				5.0(SB)	0.72	3.6					
GP-235TXS(2)	100-120/ 200-240	47-63	0	3.3	12	39.6	3	950	20B	0	1
				5.0	20	100					
				12.0	9	108					
				-5.0	0.3	1.5					
				-12.0	0.8	9.6					
GP-250TX(2)	100-120/ 200-240	47-63	0	5.0	22	110	3	950	20B	0	1
				12.0	10	120					
				-5.0	0.3	1.5					
				-12.0	0.8	9.6					
				5.0(SB)	0.72	3.6					
GP-250TXS(2)	100-120/ 200-240	47-63	0	3.3	14	46.2	3	950	20B	0	1
				5.0	22	110					
				12.0	10	120					
				-5.0	0.3	1.5					
				-12.0	0.8	9.6					
TP-2200VE(1)	115/	50/	0	5 dc	20 (2)	100	3	950	20B	0	1

Underwriters Laboratories Inc.

Model No.	Rated Input		SC	Output			OC	SP	EP	FC	GC
	V	Hz		Max V	Max A	Max VA					
TP-2230VE(1)	230	60	0	12 dc	8 (2)	96	3	950	20B	0	1
				-12 dc	0.3 (2)	1.5					
	5 dc	23 (2)		115							
	12 dc	9 (2)		108							
TP-2250VE(1)	115/	50/	0	-12 dc	0.3 (2)	3.6	3	950	20B	0	1
				-5 dc	0.3 (2)	1.5					
	5 dc	40.7		203.5							
	12 dc	15.6		156.0							
TP-3200VE(1)	230	60	0	-12 dc	4.1	2.1	3	950	20B	0	1
				-5 dc	1.8	0.9					
	5 dc	20 (2)		100							
	12 dc	8 (2)		96							
TP-3230VE(1)	115/	50/	0	-12 dc	0.3 (2)	3.6	3	950	20B	0	1
				-5 dc	0.3 (2)	1.5					
	5 dc	23 (2)		115							
	12 dc	9 (2)		108							
TP-3250VE(1)	230	60	0	-12 dc	0.3 (2)	3.6	3	950	20B	0	1
				-5 dc	0.3 (2)	1.5					
	5 dc	25 (2)		125							
	12 dc	10 (2)		120							
				-12 dc	0.5 (2)	6					
				-5 dc	0.5 (2)	2.5					

Notes:

- (1) Model No. may be followed by optional -1, followed by optional -LE.
- (2) Rated current and VA given. Max. current and power represented by Model TP-2250VE.

Marking: Company name, model number and Recognized Component Mark for Canada 

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.