



SERIES NUMBER: ETS 120~150 W DESKTOP DESCRIPTION: SWITCHING POWER SUPPLY

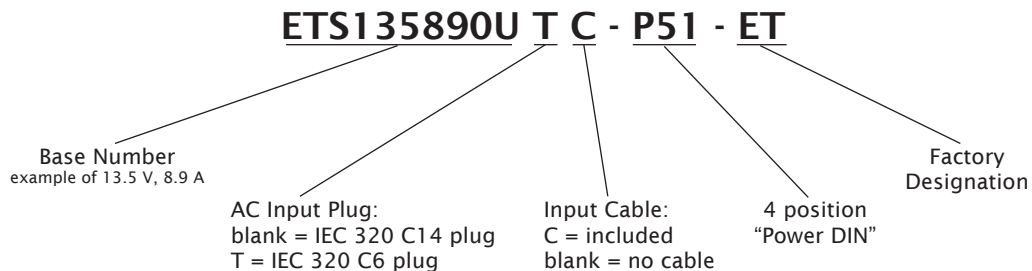
FEATURES

- universal AC input
- regulated output voltage
- active PFC
- short circuit, over load protection
- LED indicator for power on
- meets EISA efficiency regulations
- custom designs available



MODEL	output voltage		output current		output wattage	ripple	efficiency	efficiency level	cord length
	nominal (V)	min (A)	max (A)	max (W)	max. (mVp-p)	typ. (%)		(mm)	
ETS1201000U	12	0	10	120	200	85	V	1200 ±30	
ETS135890U	13.5	0	8.9	120.2	200	85	V	1200 ±30	
ETS150830U	15	0	8.3	124.5	200	85	V	1200 ±30	
ETS160810U	16	0	8.1	129.6	200	85	V	1200 ±30	
ETS180750U	18	0	7.5	135	250	87	V	1200 ±30	
ETS190750U	19	0	7.5	142.5	250	87	V	1200 ±30	
ETS200710U	20	0	7.1	142	250	87	V	1200 ±30	
ETS240625U	24	0	6.25	150	250	87	V	1200 ±30	

PART NUMBER KEY





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INPUT

parameter	conditions/description	min	nom	max	units
rated input voltage		100		240	V ac
input voltage range		90		264	V ac
rated frequency		50		60	Hz
frequency range		47		63	Hz
rated input current				2.5	A
inrush current	230 V ac, full load, cold start, 25°C			100	A
no load power consumption				0.5	W
PFC	complies with IEC 61000-3-2 class D harmonic standard, input power >75 W	at 100 V ac at 240 V ac	0.95 0.9		

OUTPUT

parameter	conditions/description	min	nom	max	units
load regulation			±5		%
over voltage protection			140%		V dc
over current protection			140%		A
short circuit protection	auto-recovery				

SAFETY & EMI

parameter	conditions/description	min	nom	max	units
HI-POT	input to output at 10 mA for 1 second			1800	V ac
safety approvals	UL 60950-1, cUL 22.2 No.60950-1-03, TUV EN60950-1				
EMI standard	FCC part 15 class B, CNS 13438 class B, CISPR 22 class B				
RoHS compliant	yes				

ENVIRONMENTAL

parameter	conditions/description	min	nom	max	units
operating temperature		0		40	°C
operating humidity		20		80	%
storage temperature		-20		85	°C
storage humidity		0		90	%

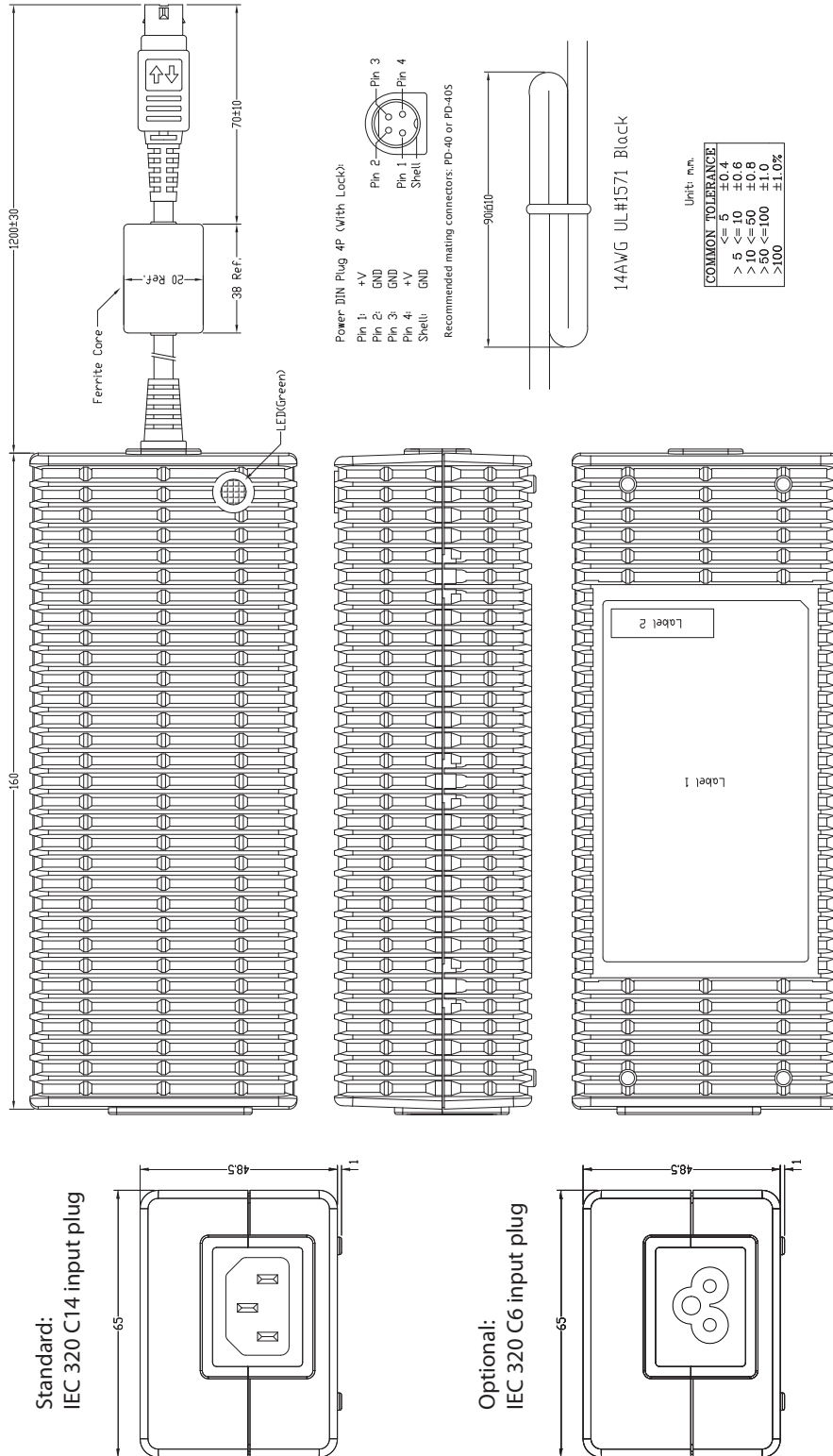
RELIABILITY

parameter	conditions/description	min	nom	max	units
MTBF				40000	hours



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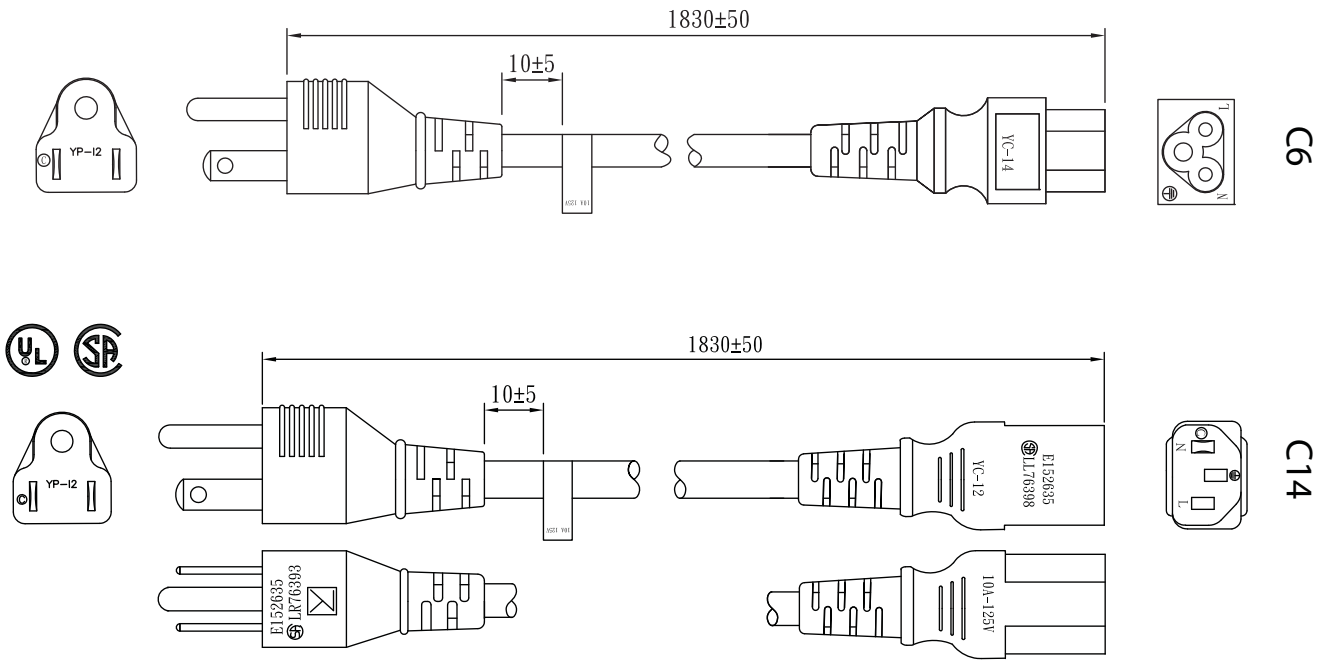
MECHANICAL DRAWING





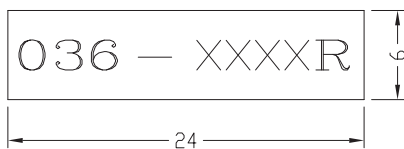
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AC CORD

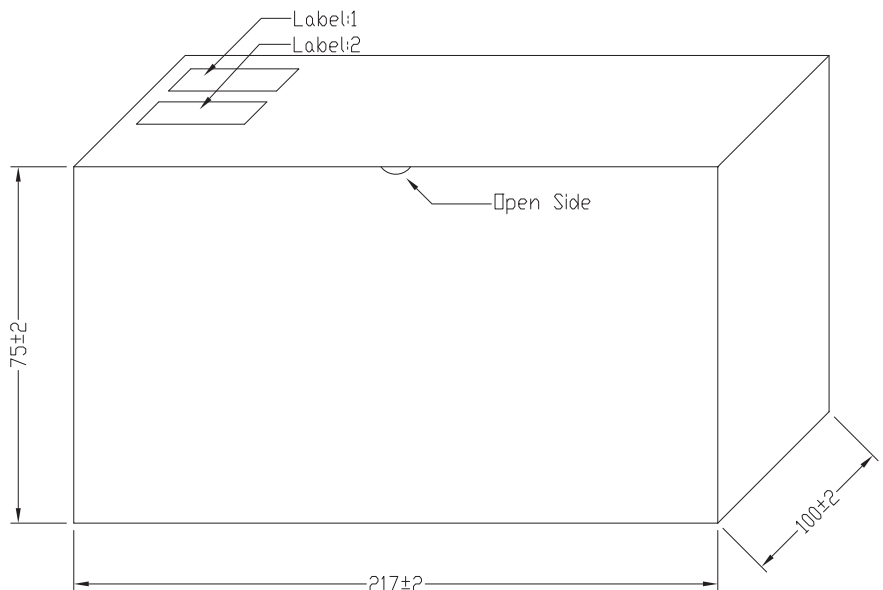


PACKAGING

Label 1 (example):



Label 2:



Box P/N: 12-0106
Material: 1.65t White

Unit: m.m.

COMMON TOLERANCE	
0 - 5	±0.4
5 - 10	±0.6
10 - 50	±0.8
50 - 100	±1.0
100 -	±1.0%