



**SERIES: 60 W DESKTOP**

**DESCRIPTION: SWITCHING POWER SUPPLY**

**FEATURES**

- universal AC input
- regulated output voltage
- short circuit, over load protection
- meets EISA / efficiency level IV regulations
- custom designs available



MODEL	output voltage		output current		output wattage	ripple	efficiency level	cord length (mm)
	nominal (V dc)		min (A)	max (A)	max (W)	max. (mVp-p)		
ETS120500U	12		0	5	60	240	IV	1830 +150/-0
ETS150400U	15		0	4	60	240	IV	1830 +150/-0
ETS190315U	19		0	3.15	60	240	V	1830 +150/-0
ETS240250U	24		0	2.5	60	240	V	1830 +150/-0

\*at full load, 100 ~ 240 V ac input, measured at 20MHz bandwidth with a 10 uF electrolytic cap and a 0.1 uF ceramic cap on the output

**PART NUMBER KEY**

**ETS120500U T C - PXXXX - SZ - CXX**

Base Number  
example of 12 V dc, 5 A

AC Input Plug:  
blank = IEC 320 C14 plug  
T = IEC 320 C6 plug

Input Cable:  
C = included  
blank = no cable

DC Plug type:  
see output plug options  
on page 5

Factory Designation

Reserved for custom configurations



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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				1.5	A
inrush current	115 V ac, full load, cold start, 25°C 230 V ac, full load, cold start, 25°C			50 100	A A
no load power consumption	100 ~ 240 V ac input			0.5	W

## OUTPUT

parameter	conditions/description	min	nom	max	units
line regulation			±1		%
load regulation			±5		%
over voltage protection	output shut down	140%		160%	V dc
short circuit protection	output shut down and auto-restart				

## SAFETY & EMI

parameter	conditions/description	min	nom	max	units
HI-POT	input to output at 10 mA for 1 second			1500	V ac
insulation resistance	input to output at 500 V dc	100			MΩ
safety approvals	UL/cUL, CB (IEC60950-1), CE (GS/TUV EN60950-1), RCM				
EMI standard	FCC part 15 class B, CE (EN55022, EN55024)				
leakage current				3.5	mA
RoHS compliant	yes				
LPS power supply	yes				

## ENVIRONMENTAL

parameter	conditions/description	min	nom	max	units
operating temperature		0		40	°C
operating humidity		20		80	%
storage temperature		-10		70	°C
storage humidity		10		90	%

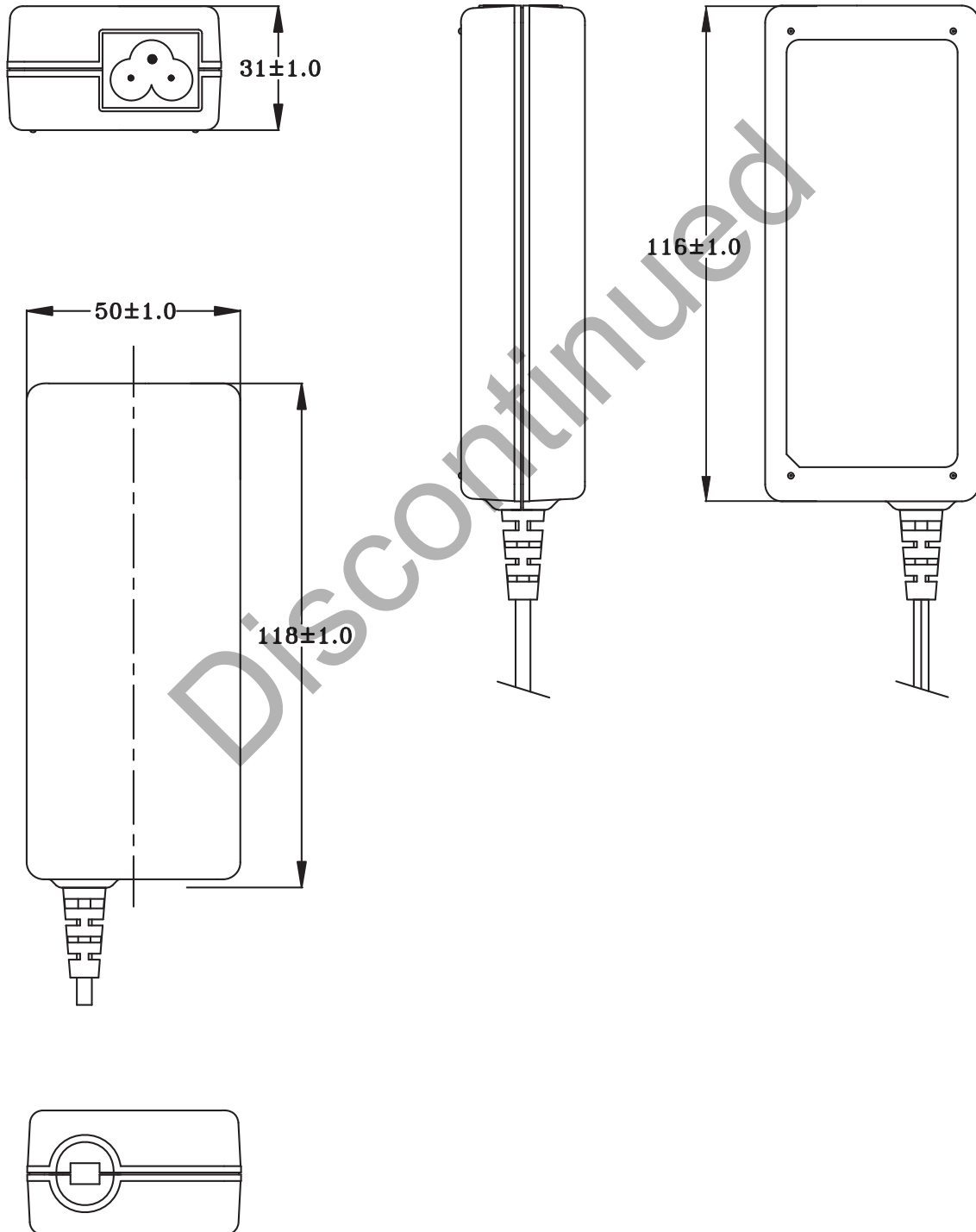


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**MECHANICAL DRAWING**

case size 116 L x 50 W x 31 H mm  
tolerance:  $\pm 1$  mm

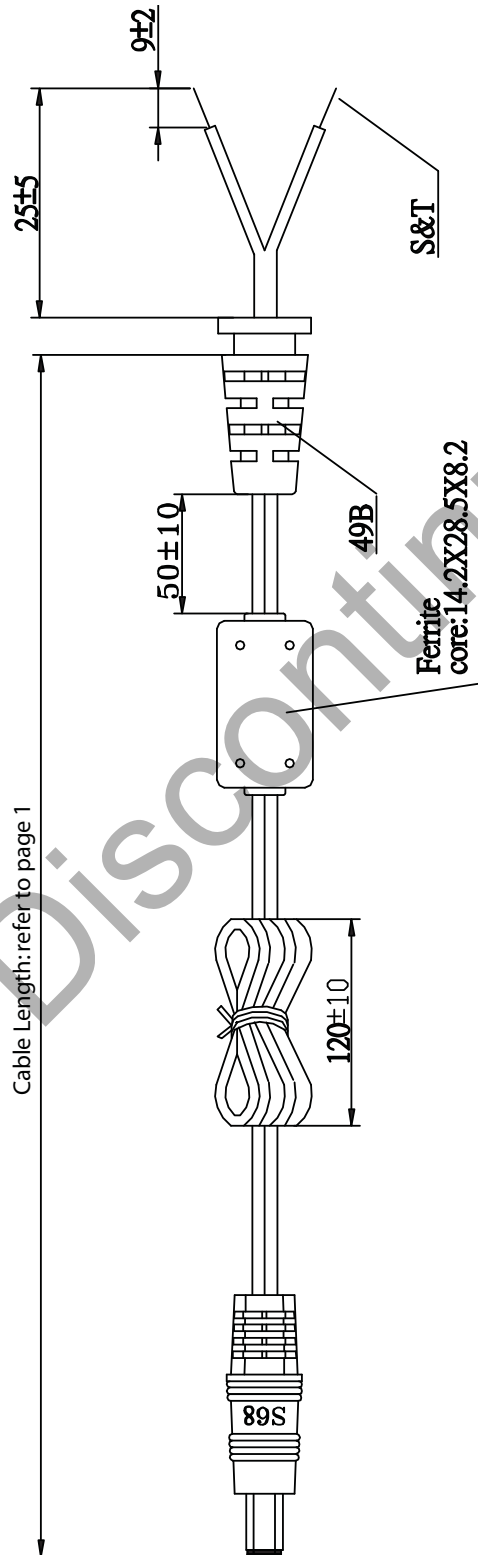




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DC CORD



Black wire, white stripe: Positive

Cable Gauge	
ETS120500	18 AWG
ETS150400	18 AWG
ETS190315	18 AWG
ETS240250	18 AWG

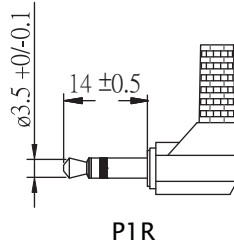
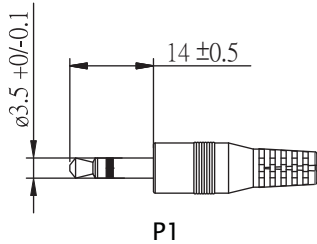


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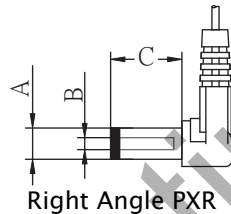
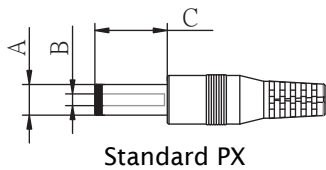
**OUTPUT PLUG OPTIONS**

**3.5 mm Phono Plug**



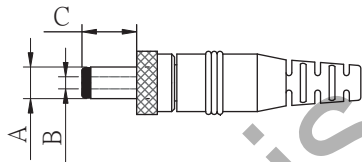
\*Tip positive

**Standard DC Plug**



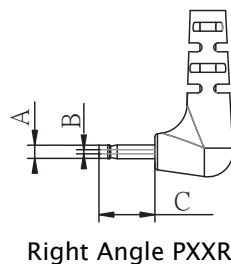
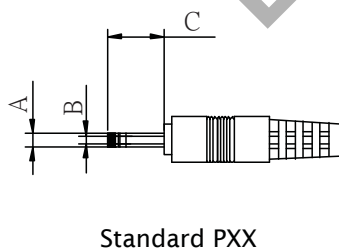
	A	B	C	Unit
P5/P5R	5.5	2.1	12	mm
P6/P6R	5.5	2.5	12	mm
P7/P7R	3.5	1.3	9.5	mm
P8/P8R	3.8	1.35	9.5	mm
P9/P9R	3.8	1.05	9.5	mm

**Locking DC Plug**

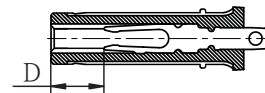


	A	B	C	Unit
P10	5.5	2.1	9.5	mm
P11	5.5	2.5	9.5	mm

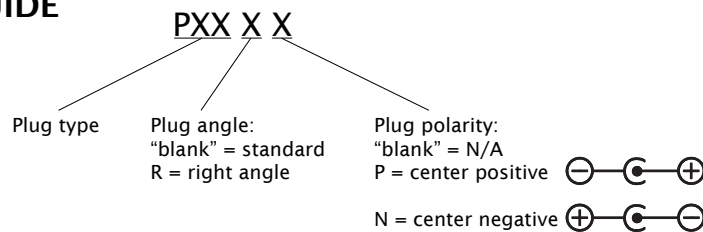
**EIAJ Plugs**



	EIAJ	A	B	C	D	Unit
P12/P12R	EIAJ-1	2.35	0.7	9.5	NA	mm
P13/P13R	EIAJ-2	4.0	1.7	9.5	5.0	mm
P14/P14R	EIAJ-3	4.75	1.7	9.5	5.0	mm



**PART NUMBER GUIDE**



\*Contact CUI for additional output plug options.



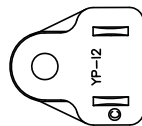
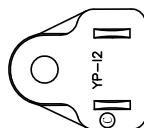
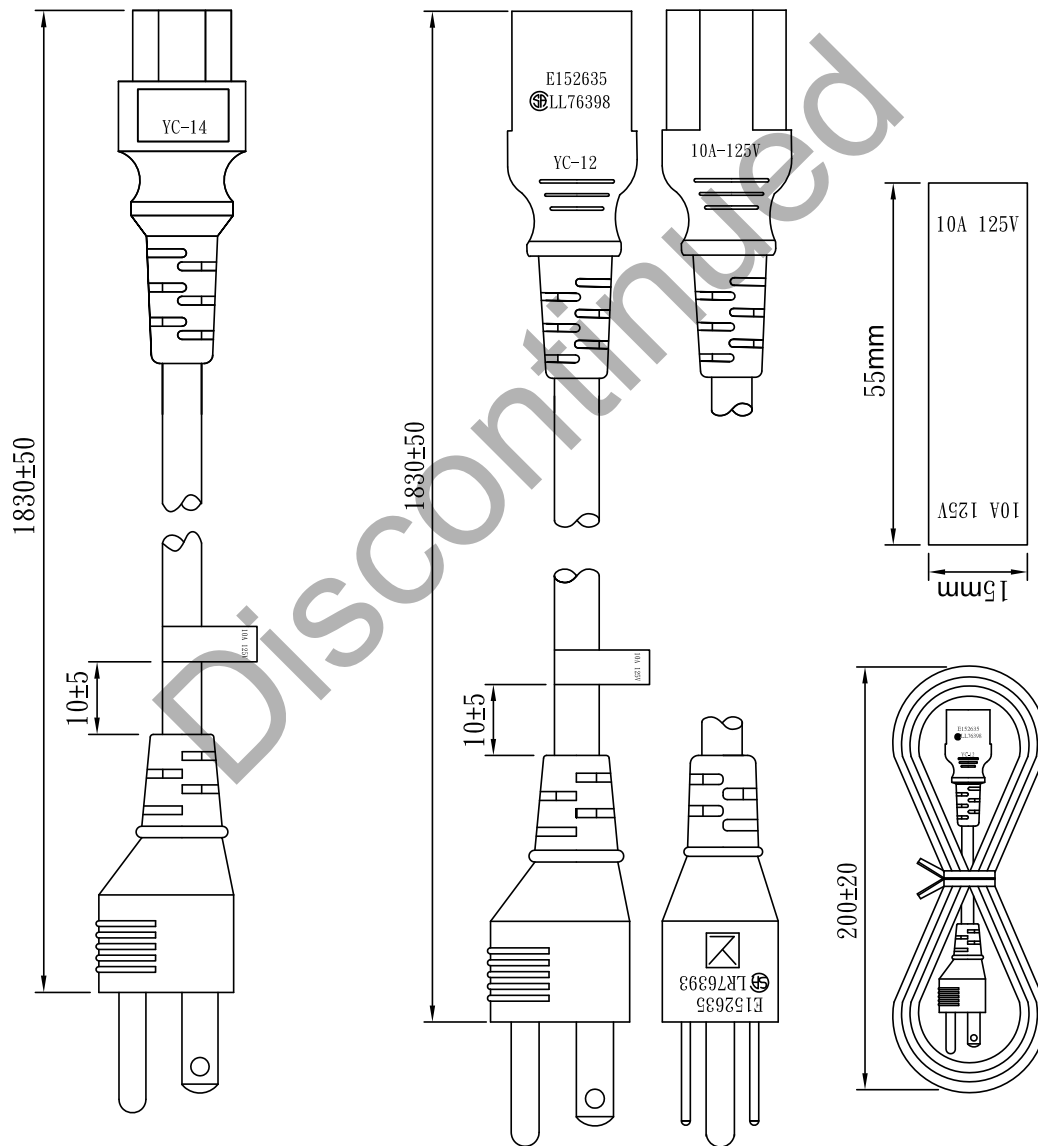
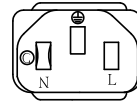
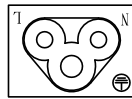
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AC CORD

C6

C14



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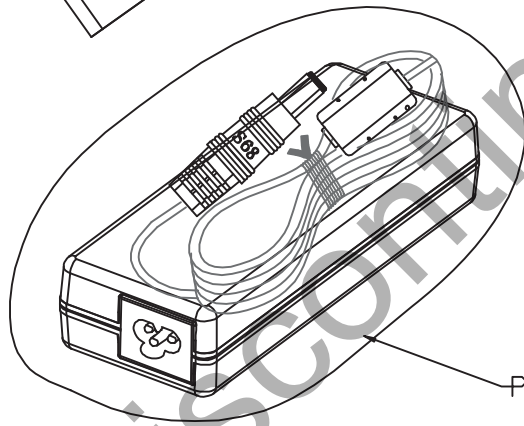
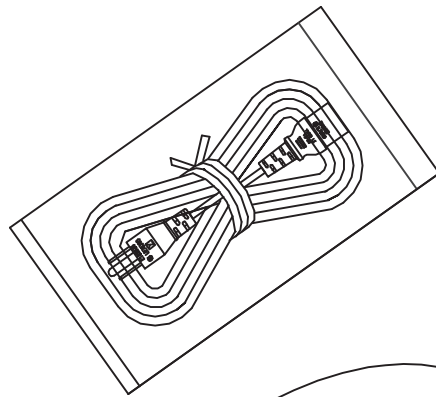


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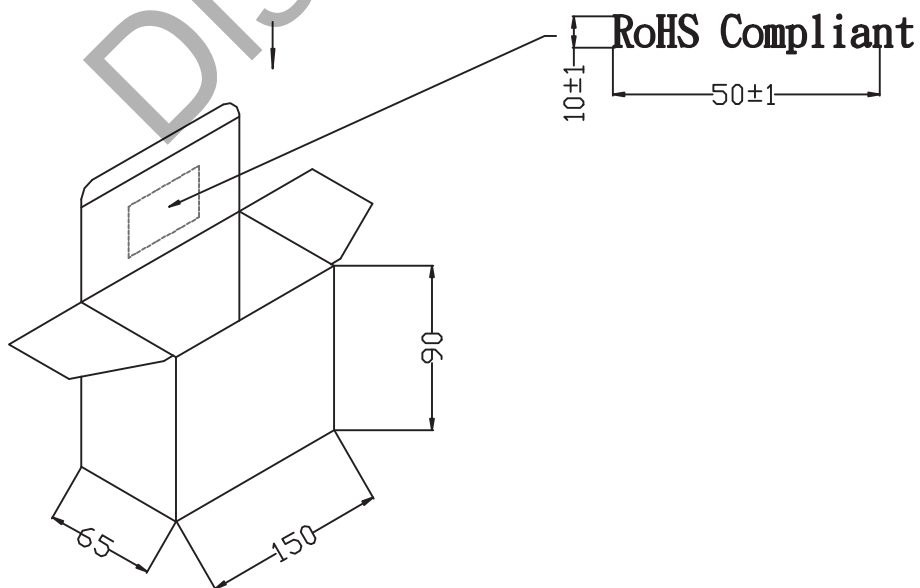
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**INDIVIDUAL PACKAGING**

tolerance  $\pm 1$  mm



PE BAG(SIZE:200\*150)





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**PACKAGING**

tolerance +7 / -0 mm

CARTON SIZE: 480X477X167mm

Q'TY: 30pcs(15x2x1)

"RoHS Compliant"

