

YS125 SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 5V-36V DC
Rated Power: 150W max

Features

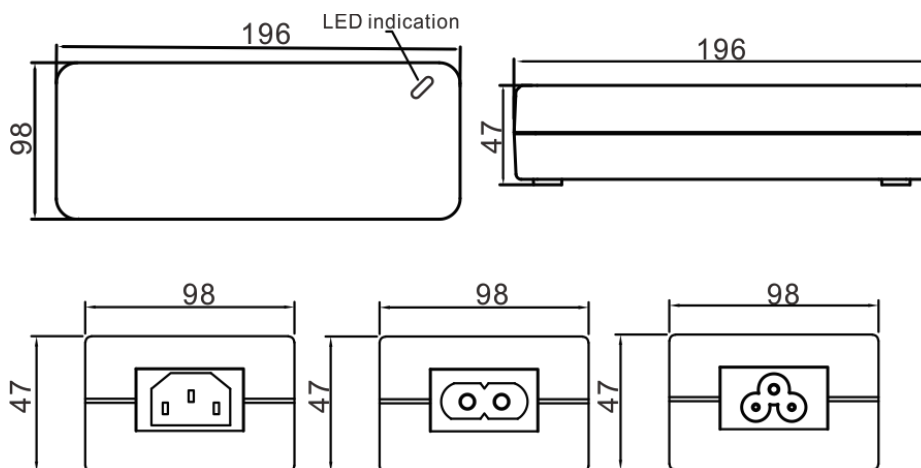
Universal AC input/ Full range
Energy efficiency level VI
Leakage Current: <0.75mA
Extremely low leakage current
Protection: Over load/Over voltage/Short circuit
Withstand voltage : 3KV
Life Warranty: 3 years

Application

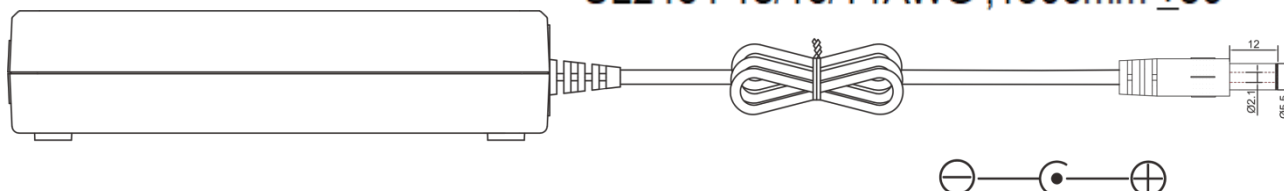
Digital equipment
Consumer electronic devices
Telecommunication devices
Office facilities
Industrial equipments



■ Dimensions and Installation



UL2464 18/16/14AWG ,1500mm \pm 50

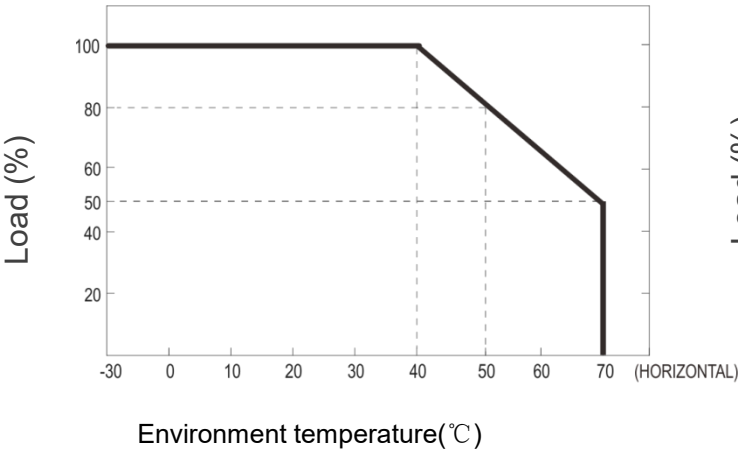


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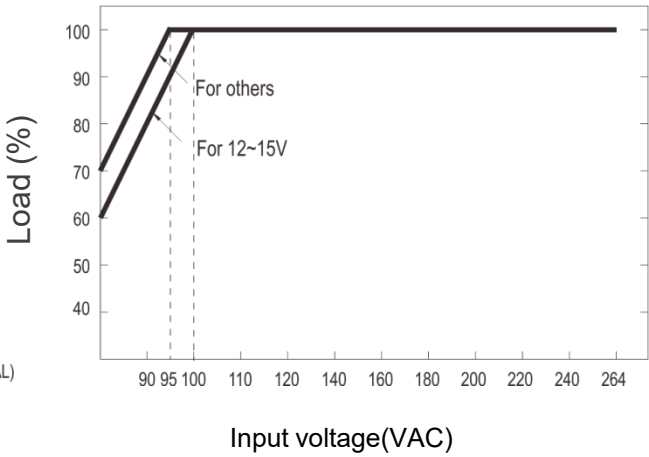
MODEL DETAIL SPEC.		YS125-0911000	YS125-12012500	YS125-15010000	YS125-19007800	YS125-24006250	YS125-36004160
INPUT	Input Voltage:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 60A/230VAC					
	AC Current:	1.5A max.					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	89%	90%	91%	91%	93%	92%
OUTPUT	DC Voltage:	9V	12V	15V	19V	24V	36V
	Rated Current:	11A	10A	10A	7.8A	6.25A	4.16A
	Rated Power:	99W	150W	150W	148.2W	150W	149W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	120mVp-p	120mVp-p	200mVp-p	200mVp-p	220mVp-p	250mVp-p
	Line Regulation:	±3%					
	Load Regulation:	±5%	±5%	±5%	±5%	±5%	±5%
	Setup, Rise, Hold Up time:	500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load					
ENVIRONMENTAL	Operating Temperature:	-30 ~ +70 (Refer to "Derating Curve")					
	Storage Temp:	-40℃ ~ 85℃					
	Storage Humidity:	10 ~ 95% RH					
	Working Humidity:	20 ~ 95% RH non-condensing					
PROTECTION	Over Load:	105% -150% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage:	105% -130% rated output power					
		Protection type: Shut down o/p voltage, re-power on to recover					
	Over Temperature:	When the NTC resistance temperature is between 85℃ and 100℃ ,The power supply shall be protected and no deformation and no discoloration on case					
SAFETY & EMC	Safety Regulations:	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved					
	Withstand Voltage:	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH					
	EMC Emission:	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B					
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11					
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25℃)					
	Size:	172*72.5*42.5mm					
	Weight:	590g / pcs					
	Packaging:	20PCS/CTN					

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Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

Standard plug: M7B

M7B

KYCON KPPX-4P equivalent


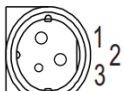
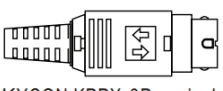


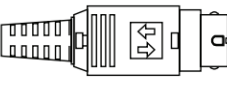


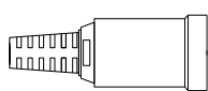






Pin Assignment

AC FG
-V connected to AC FG

PIN NO.	OUTPUT
1	+Vo
2	-Vo
3	-Vo
4	+Vo

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Optional DC plug: (Available in customized cable or quick adapter)

Min.Din 3Pin with Lock (male)	Type No.	Pin Assignment		Quick Adapter Accessory
		PIN No.	Output	
   KYCON KPPX-3P equivalent	M6B	1	+Vo	Available (Current rating: 7.5A max.)
		2	-Vo	
		3	+Vo	
Min.Din 4Pin with Lock (male)	Type No.	Pin Assignment		
		PIN No.	Output	
   KYCON KPPX-4P equivalent	M7B	PIN No.	Output	Available (Current rating: 7.5A max.)
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Min.Din 4Pin with Lock (female)	Type No.	Pin Assignment		
		PIN No.	Output	
   KYCON KPJX-CM-4S equivalent	M7BF	PIN No.	Output	None
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
DIN 5Pin (male)	Type No.	Pin Assignment		
		PIN No.	Output	
  	M1B	PIN No.	Output	Available (Current rating: 7.5A max.)
		1	-Vo	
		2	-Vo	
		3	+Vo	
		4	-Vo	
		5	+Vo	
Stripped and tinned leads	Type No.	Pin Assignment		
		PIN No.	Output	
  	by customer	1	+Vo	None
		2	-Vo	