

YS125M SERIES



Input: 85-264VAC 50/60Hz
Output Voltage: 5V-48V DC
Rated Power: 160W max

Features

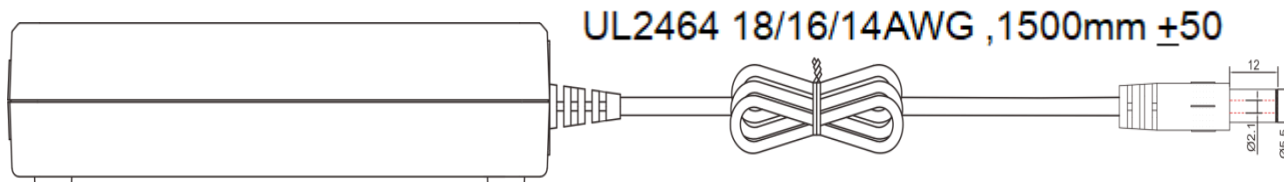
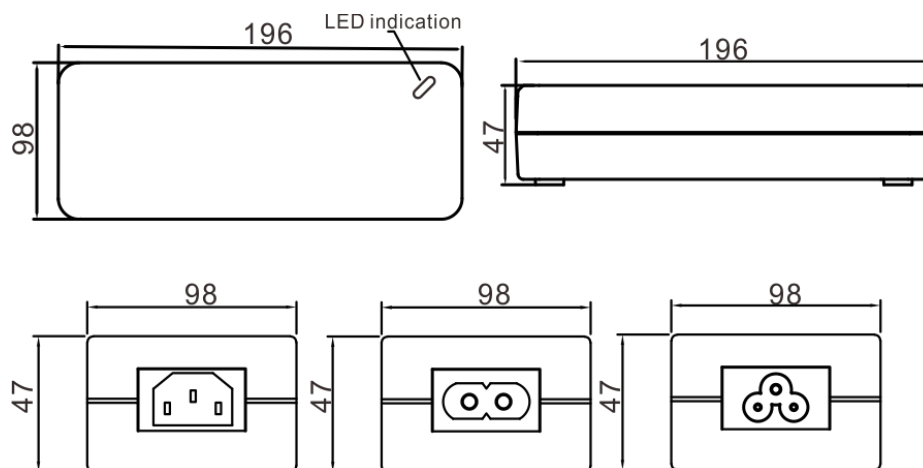
Univeral AC input/ Full range
Energy efficiency level VI
Leakage Current: < 0.1mA
Extremely low leakage current
Protection: Over load/Over voltage/Short circuit
Withstand voltage : 4KV
Life Warranty: 3 years

Application

Mobile clinical workstation
Oral irrigator
Portable hemodialysis machine
Breath Machine
Medical computer monitor



■ Dimensions and Installation



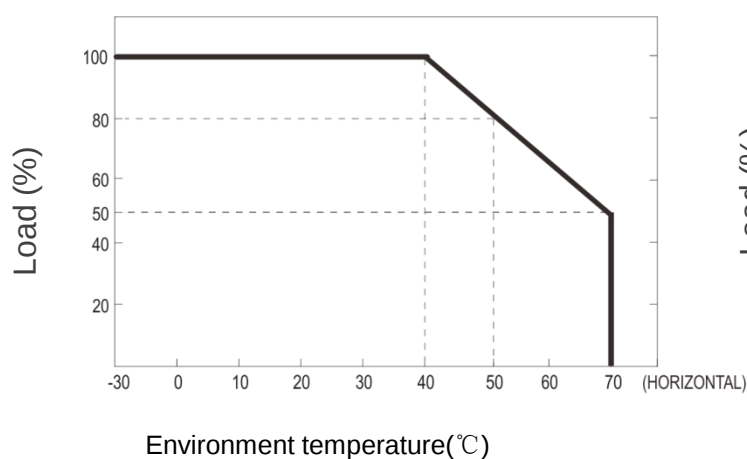
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MODEL DETAIL SPEC.		YS125-09011500M	YS125-12011500M	YS125-15010660M	YS125-19008420M	YS125-24006660M	YS125-48003330M
INPUT	Input Voltage:	85-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 60A/230VAC					
	AC Current:	1.9A/115VAC, 1A/230VAC					
	Leakage Current:	< 0.1mA/240VAC					
	Efficiency:	89%	90%	91%	91%	93%	92%
OUTPUT	DC Voltage:	9V	12V	15V	19V	24V	48V
	Rated Current:	11.5A	11.5A	10.66A	8.42A	6.66A	3.33A
	Rated Power:	103.5W	138W	160W	160W	160W	160W
	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	300mVp-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°C ~ 85°C					
	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°C and 100°C ,The power supply shall be protected and no deformation and no discoloration on case					
SAFETY & EMC	Safety Regulations:	ANSI/AAMI ES60601-1, TUV IEC/EN60601-1 approved					
	Withstand Voltage:	I/P-O/P:4KVAC					
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 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					
	MTBF:	500Khrs min. MIL-HDBK-217F(25°C)					
	Size:	172*72.5*42.5mm					

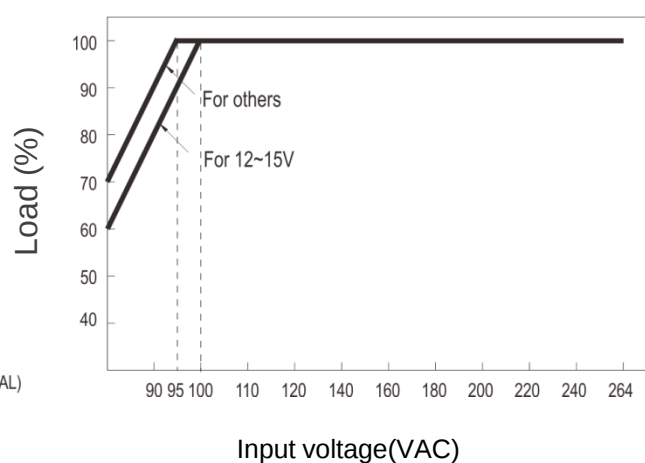


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Deduction curve and temperature

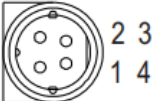
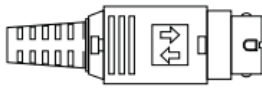
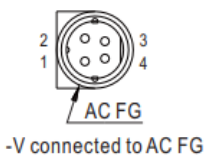


Minus output and input voltage curves



Functional Diagram

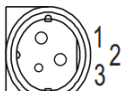
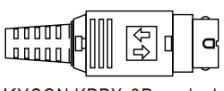
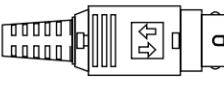
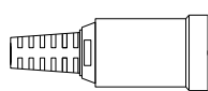
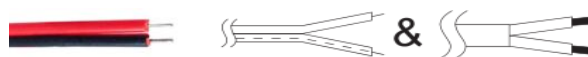
Standard plug: M7B

M7B		Pin Assignment	
   KYCON KPPX-4P equivalent	 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	