

YS25M SERIES

Input: 85-264VAC 50/60Hz
 Output Voltage: 5V-48V DC
 Rated Power: 42W max



Features

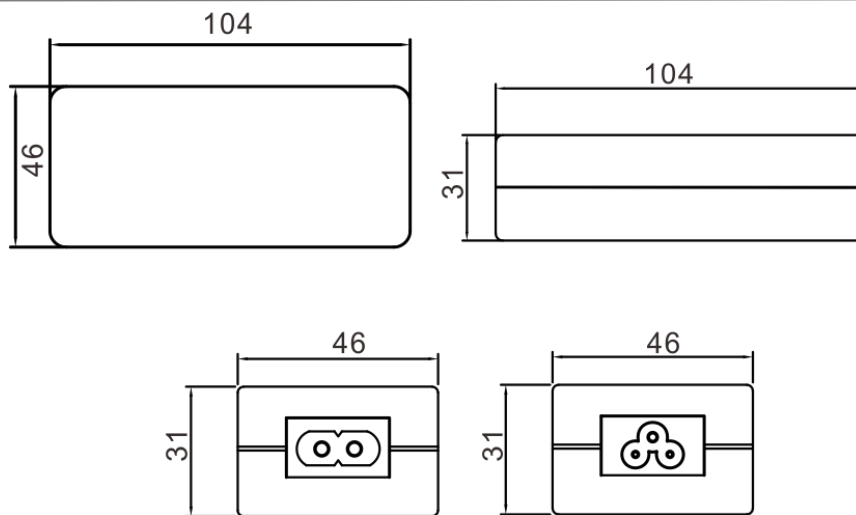
- Univeral AC input/ Full range
- Energy efficiency level VI
- Leakage Current: < 0.1mA
- Extremely low leakage current
- Protection: Over load/Over voltage/Short circuit
- Withstand voltage : 4KV
- Life Warranty: 3 years

Application

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



■ Dimensions and Installation



UL2468/2464 24/20/18AWG , 1500mm \pm 50



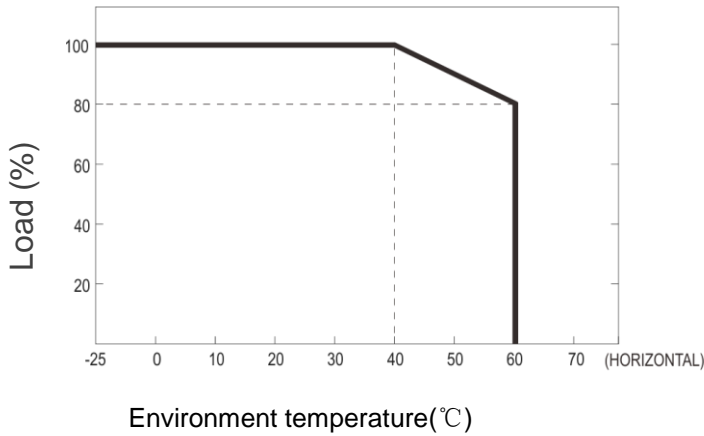
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MODEL DETAIL SPEC.		YS25-0503500M	YS25-0903500M	YS25-1203500M	YS25-1502800M	YS25-2401750M	YS25-4800875M
INPUT	Input Voltage:	85-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 60A/230VAC					
	AC Current:	1A/115V, 0.5A /230VAC					
	Leakage Current:	< 0.1mA/240VAC					
	Efficiency:	87%	88.30%	88.30%	88.42%	88.77%	88.49%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	48V
	Rated Current:	3.5A	3.5A	3.5A	2.8A	1.75A	0.875A
	Rated Power:	17.5W	31.5W	42W	42W	42W	42W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	120mVp-p	200mVp-p	200mVp-p	250mVp-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:	-25 ~ +60 (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:	N/A						
SAFETY & EMC	Safety Regulations:	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					
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25°C)					
	Size:	105*45*28.5mm					

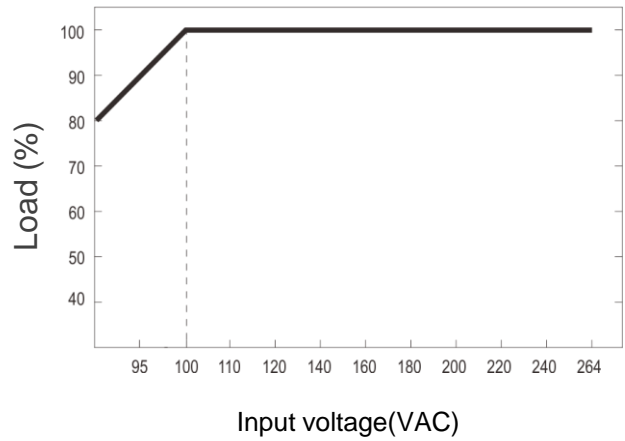


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Deduction curve and temperature



Minus output and input voltage curves



DC output plug



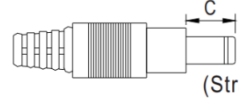
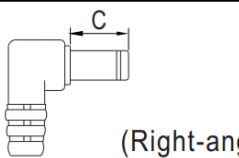

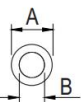
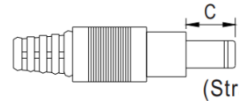
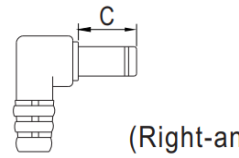

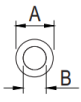
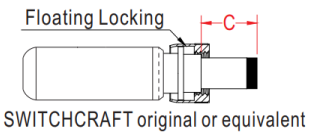

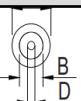
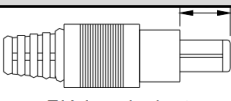


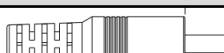
Standard plug: P1J

D1M	Pin Assignment
	<p>Outside Inside</p> <p>-V not connected to AC FG (standard) -V connected to AC FG (optional)</p>



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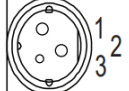
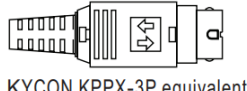

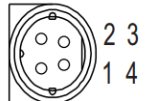
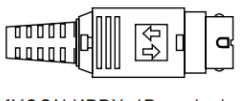


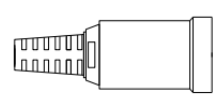


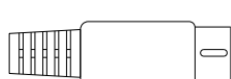
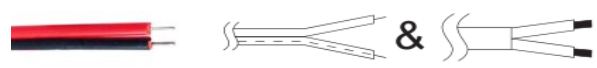
Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   <p>(Straight)</p>  <p>(Right-angled)</p>	D1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)		
	D1L	5.5	2.5	9.5			
	D1M	5.5	2.1	11.0			
	D1IR	5.5	2.5	9.5			
	D1JR	5.5	2.1	11.0			
	D1LR	5.5	2.5	9.5			
	D1MR	5.5	2.5	11.0			
Barrel Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   <p>(Straight)</p>  <p>(Right-angled)</p>	D2I	5.5	2.1	9.5	None		
	D2J	5.5	2.1	11.0			
	D2L	5.5	2.5	9.5			
	D2M	5.5	2.1	11.0			
	D2IR	5.5	2.5	9.5			
	D2JR	5.5	2.1	11.0			
	D2LR	5.5	2.5	9.5			
D2MR	5.5	2.5	11.0				
Lock Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   <p>Floating Locking SWITCHCRAFT original or equivalent</p>	D2S(S761K)	5.53	2.03	12.06	None		
	D2K(761K)	5.53	2.54	12.06			
	D2C(S760K)	5.53	2.03	9.52			
	D2D(760K)	5.53	2.54	9.52			
Center Pin Style		Type No.	A	B	C	D	Quick Adapter Accessory
			OD	ID	L	Center Pin	
   <p>EIAJ equivalent</p>	D4A	5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max.)	
	D4B	6.5	4.4	11.0	1.4		
	D4C	7.4	5.1	11.0	0.6		
Min. Pin Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
  	D3A	2.35	0.7	11.0	Available (Current rating: 5A max.)		



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

