

YS18UM SERIES



Input: 85-264VAC 50/60Hz
Output Voltage: 5V-36V DC
Rated Power: 24W 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

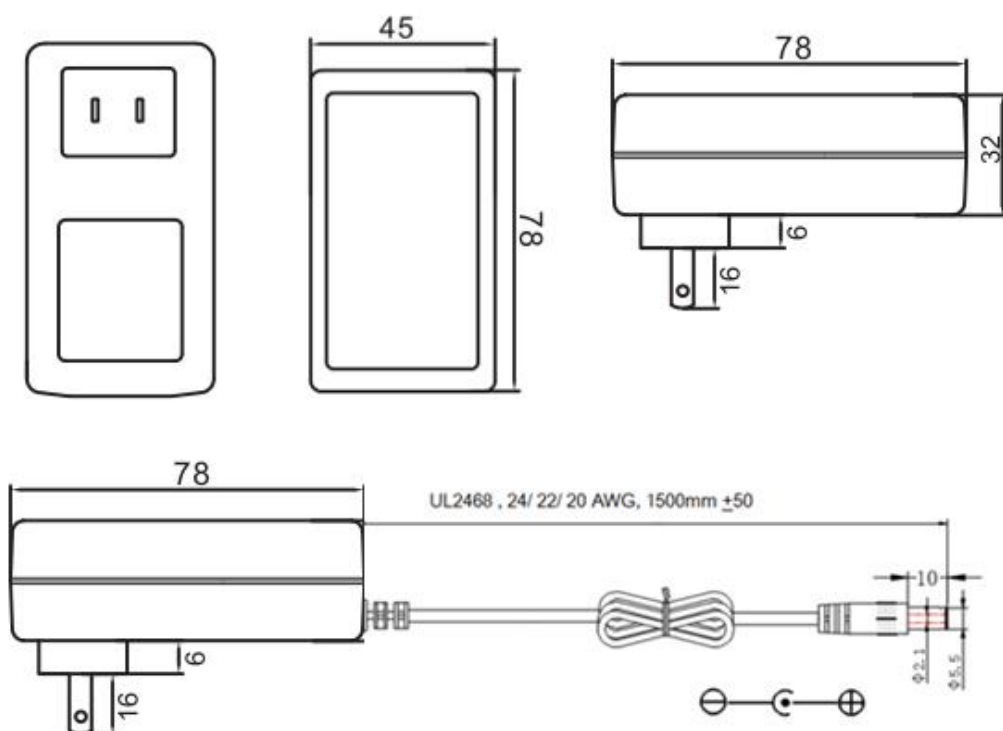


Application

Digital equipment
Blood pressure monitor
Nebulizer
Portable medical device



■ Dimensions and Installation

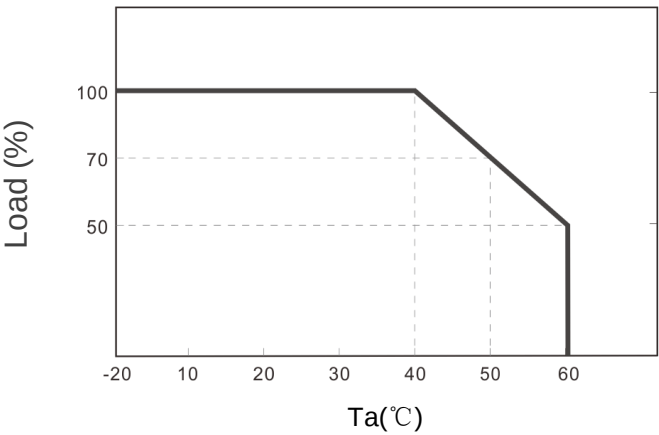


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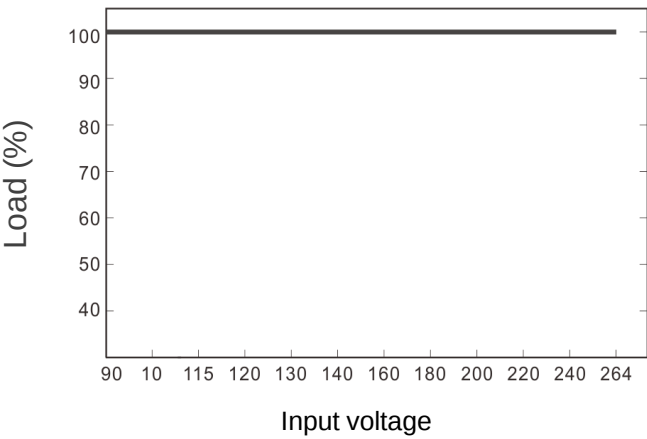
MODEL DETAIL SPEC.		YS18-0503000M	YS18-0902500M	YS18-1202000M	YS18-1501600M	YS18-2401000M	YS18-3600670M
INPUT	Input Voltage:	85-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	30A/115VAC 50A/230VAC					
	AC Current:	0.7A/115VAC 0.35A/230VAC					
	Leakage Current:	< 0.1mA/240VAC					
	Efficiency:	80%	84%	86%	86%	87%	88%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	36V
	Rated Current:	3A	2.5A	2A	1.6A	1A	0.67A
	Rated Power:	15W	22.5W	24W	24W	24W	24W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	120mVp-p	120mVp-p	180mVp-p	240mVp-p	300mVp-p
	Line Regulation:	±3%					
	Load Regulation:	±5%					
	Setup, Rise, Hold Up time:	500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load					
ENVIRONMENTAL	Operating Temperature:	-20 ~ +60 (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					
	Short Circuit :	Shut down o/p voltage, re-power on to recover					
SAFETY & EMC	Safety Regulations:	ANSI/AAMI ES60601-1 approved					
	Withstand Voltage:	I/P-O/P:4KVAC 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:	FCC Part15/CISPR22, CAN ICES-3(B) NMB-3(B), Class B					
	EMC Immunity:	FCC Part15/CISPR22, CAN ICES-3(B) NMB-3(B), Class B					
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25℃)					
	Size:	78*45*32mm					
	Weight:	120g / pcs					
	Packaging:	100PCS/CTN					

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Deduction curve and temperature



Minus output and input voltage curves



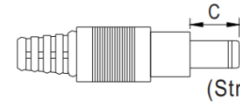
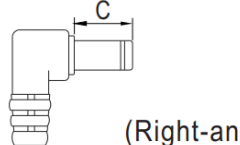
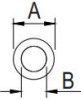
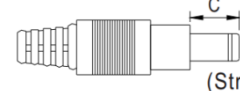
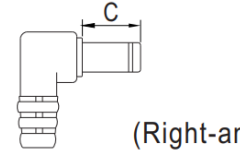
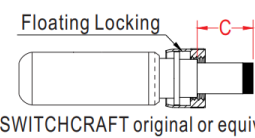
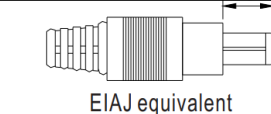
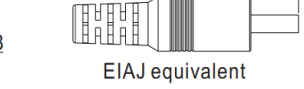
■ DC output plug

Standard plug: D1M

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

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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		
   (Straight)  (Right-angled)	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		
   (Straight)  (Right-angled)	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		
   SWITCHCRAFT original or equivalent	D2S(S761K)	5.53	2.03	12.06	None		
	D2K(761K)	5.53	2.54	12.06			
	D2C(S760 K)	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	
   EIAJ equivalent	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		
   EIAJ equivalent	D3A	2.35	0.7	11.0	Available (Current rating: 5A max.)		
	D3B	4.0	1.7	11.0			
	D3C	4.75	1.7	11.0			