

YS12V-U SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 5V-36V DC
Rated Power: 12W max

Features

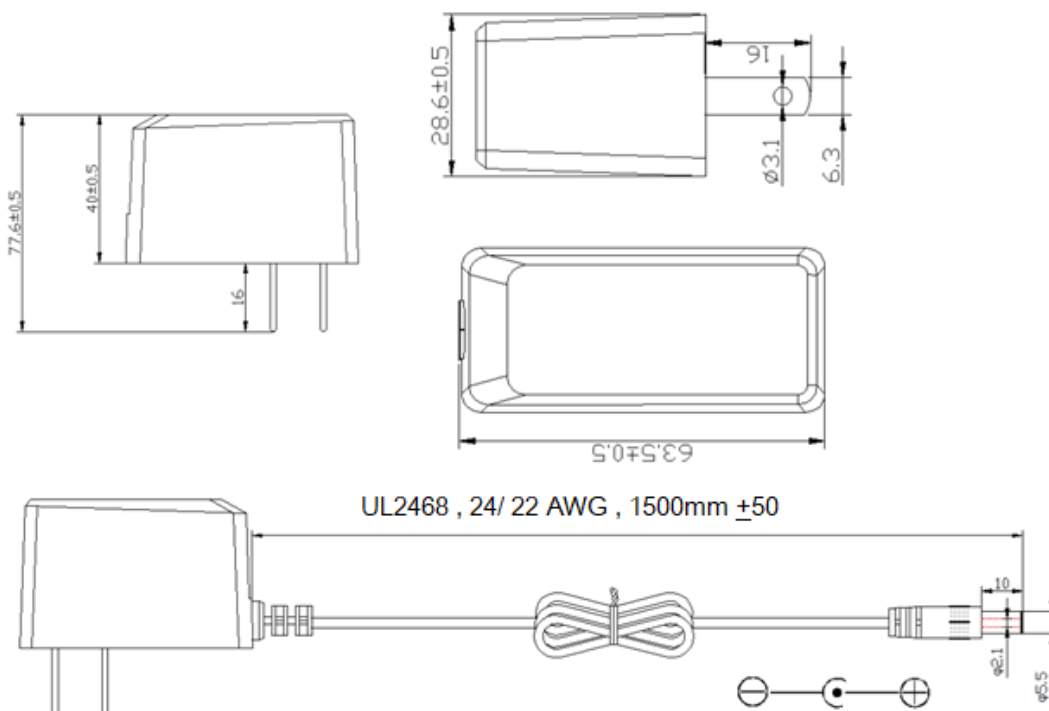
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Digital equipment
 Consumer electronic devices
 Telecommunication devices
 Office facilities
 Industrial equipments



■ Dimensions and Installation

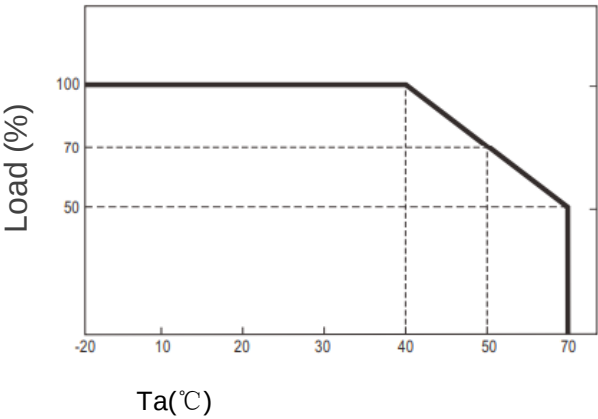


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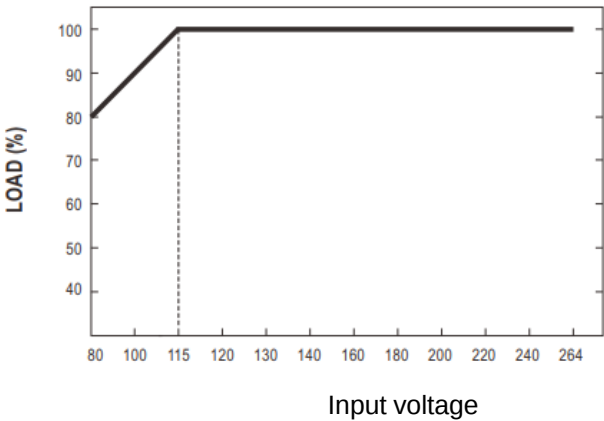
MODEL DETAIL SPEC.		YS12V-0502000	YS12V-0901300	YS12V-1201000	YS12V-1500800	YS12V-2400500	YS12V-3600350
INPUT	Input Voltage:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	15A/115VAC 30A/230VAC					
	AC Current:	0.2A/115VAC 0.21A/230VAC					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	81.5%	84%	84%	84%	84%	84%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	36V
	Rated Current:	2A	1.3A	1A	0.8A	0.5A	0.35A
	Rated Power:	10W	11.7W	12W	12W	12W	12W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	75mVp-p	90mVp-p	120mVp-p	150mVp-p	240mVp-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:	-20 ~ +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:	Shut down o/p voltage, re-power on to recover					
SAFETY & EMC	Safety Regulations:	UL62368-1 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:	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:	68*30*37mm					
	Weight:	85g / pcs					
	Packaging:	100PCS/CTN					

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Deduction curve
and temperature

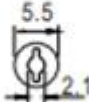


Minus output
and input voltage curves



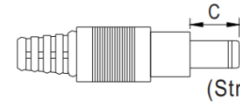
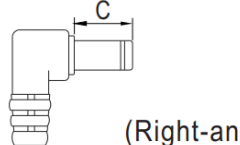
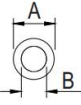
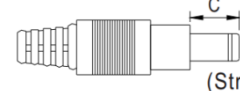
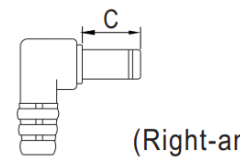
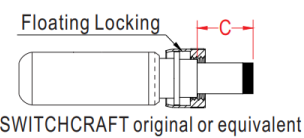
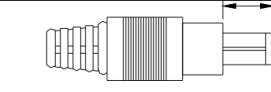
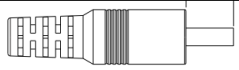
■ DC output plug

Standard plug: D1M

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

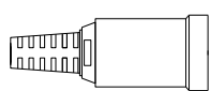
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
 	 (Straight)	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		
	 (Right-angled)	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)	D2I	5.5	2.1	9.5	None	
		D2J	5.5	2.1	11.0		
		D2L	5.5	2.5	9.5		
	 (Right-angled)	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	
	   Floating Locking 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			

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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	