

**YS12V SERIES**



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

**Features**

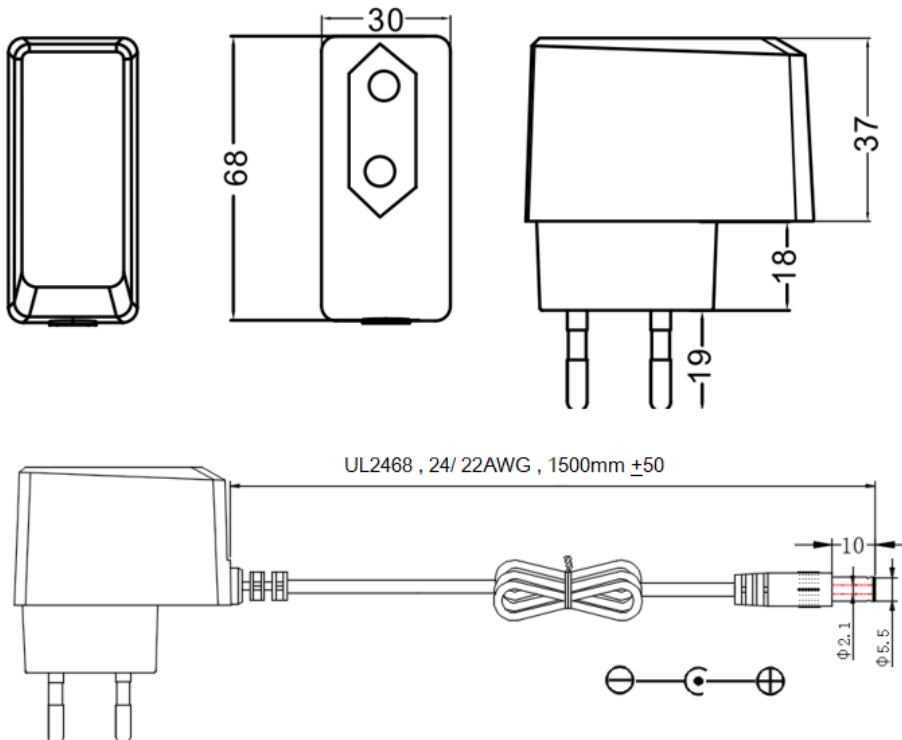
Univeral AC input/ Full range  
 Energy efficiency level VI  
 Leakage Current: < 0.25mA  
 Extremely low leakage current  
 Protection:Over load/Over voltage/Short circuit  
 Withstand voltage : 3KV  
 Life Warranty: 3 years

**Application**

Digital equipment  
 Consumer electronic devices  
 Telecommunication devices  
 Office facilities  
 Industrial equipments



**■ Dimensions and Installation**

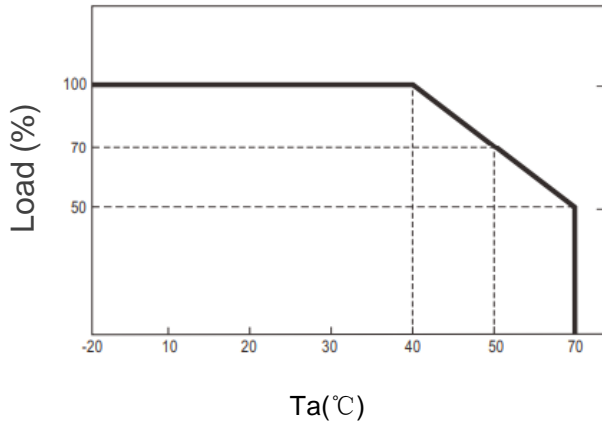


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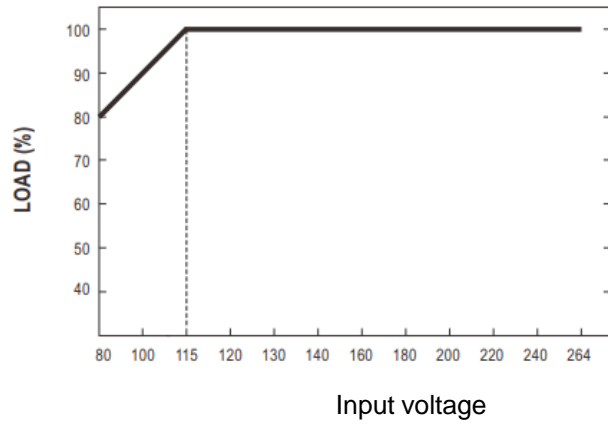
MODEL DETAIL SPEC.		YS12V-0502000E	YS12V-0901300E	YS12V-1201000E	YS12V-1500800E	YS12V-2400500E	YS12V-3600350E
INPUT	Input Voltage range:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	50A/230VAC					
	AC Current:	0.4A/230VAC					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	81.5%	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:	1000ms, 30ms/25ms 230VAC at full load					
ENVIRONMENTAL	Operating Temperature:	-20 ~ +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					
Short Circuit :	Shut down o/p voltage, re-power on to recover						
SAFETY & EMC	Safety Regulations:	TUV ,EN62368-1					
	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°C/ 70% RH					
	EMC Emission:	Compliance to EN55032 (CISPR32), EN61000-3-2,-3					
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11					
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25°C)					
	Size:	68*30*37mm					
	Weight:	85g / pcs					
	Packaging:	100PCS/CTN					

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**Deduction curve and temperature**






**Static Characteristics**



**DC output plug**

Standard plug: D1M


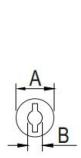
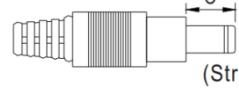
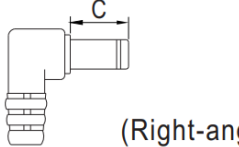

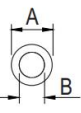
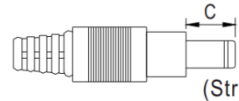
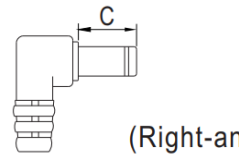

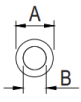
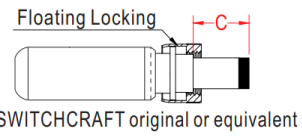

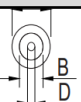
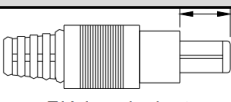


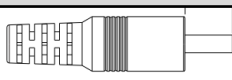
D1M	Pin Assignment
 	
	Outside ⊖ ⊕ Inside -V not connected to AC FG (standard) -V connected to AC FG (optional)

UL2468 22AWG 1200+150/-0mm for 5-9V  
 UL2468 24AWG 1800+150/-0mm for 12V-48V



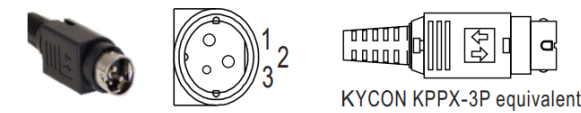
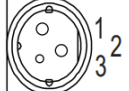
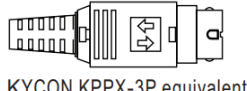

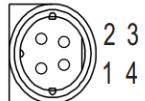
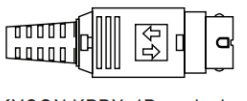


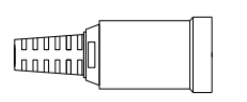


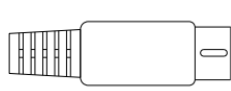
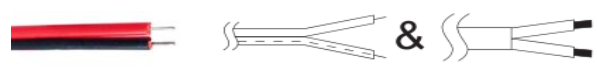
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   	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		
   	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>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		
   <p>EIAJ equivalent</p>	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	
   <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	