

YS12V-U SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 3V-36V DC
Rated Power: 12W max

Features

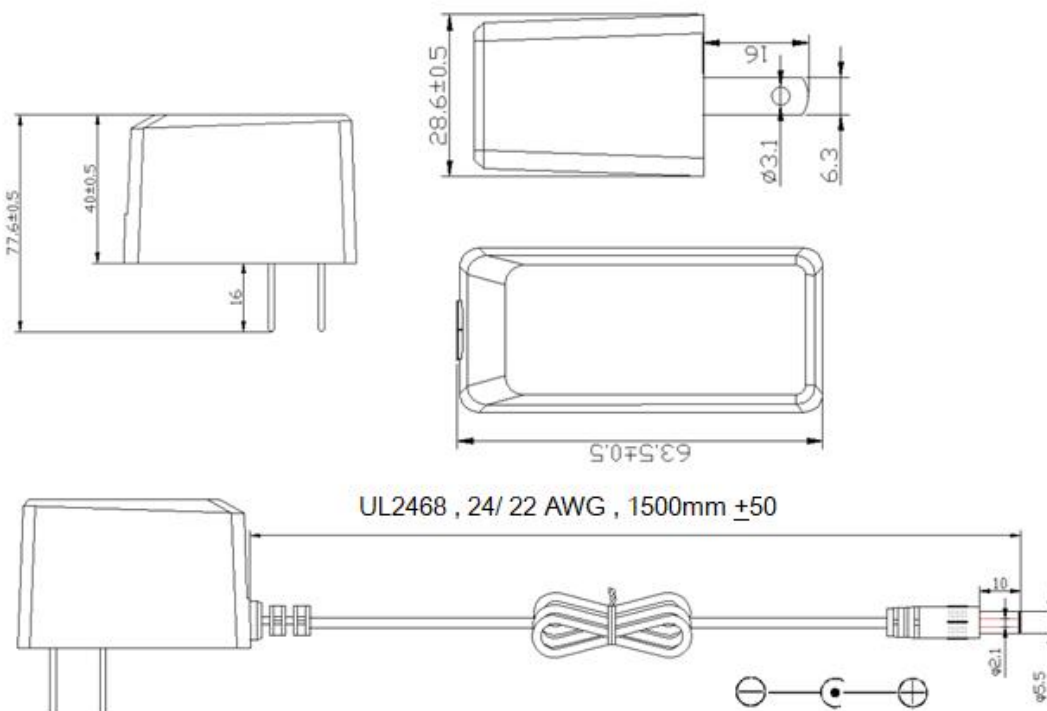
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Digital equipment
 Consumer electronic devices
 Telecommunication devices
 Office facilities
 Industrial equipments



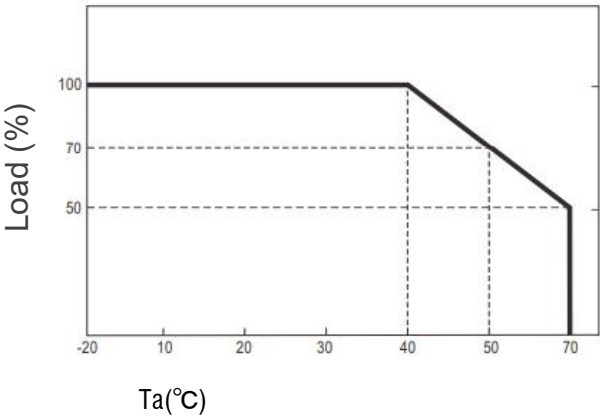
■ Dimensions and Installation



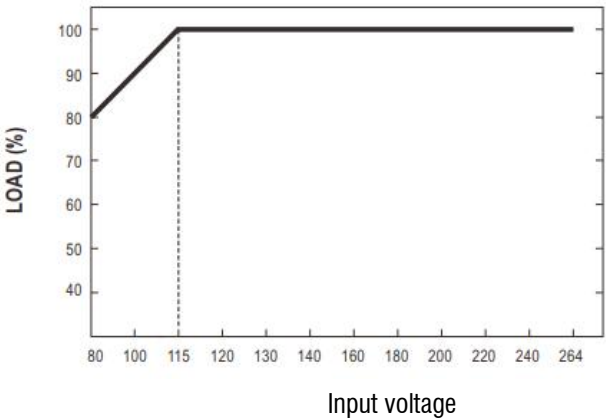
MODEL		DETAIL		SPEC.		YS12V-0331500	YS12V-0502000	YS12V-0901300	YS12V-1201000	YS12V-1500800	YS12V-2400500	YS12V-3600350
INPUT	Input Voltage:	85-265VAC										
	Input Frequency:	50/60Hz										
	Inrush Current:	15A/115VAC 30A/230VAC										
	AC Current:	0.2A/115VAC 0.21A/230VAC										
	Leakage Current:	< 0.25mA/240VAC										
	Efficiency:	75.5%	81.5%	84%	84%	84%	84%	84%				
OUTPUT	DC Voltage:	3.3V	5V	9V	12V	15V	24V	36V				
	Rated Current:	1.5A	2A	1.3A	1A	0.8A	0.5A	0.35A				
	Rated Power:	4.95W	10W	11.7W	12W	12W	12W	12W				
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%				
	Ripple and Noise:	60mVp-p	75mVp-p	90mVp-p	120mVp-p	150mVp-p	240mVp-p	300mVp-p				
	Line Regulation:	±3%										
	Load Regulation:	±5%	±5%	±5%	±5%	±5%	±5%	±5%				
	Setup, Rise, Hold Up time:	500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load										
ENVIRONMEN TAL	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

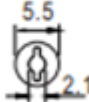
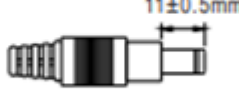


Minus output
and input voltage curves



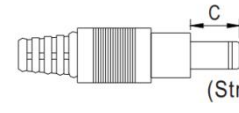
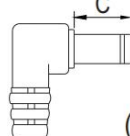
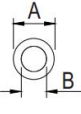
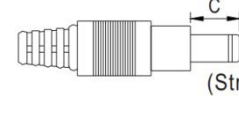
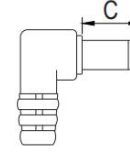
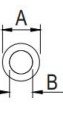
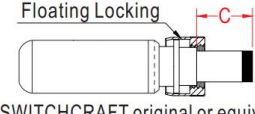
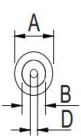
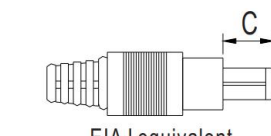
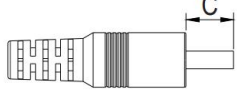
■ DC output plug

Standard plug: D1M

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

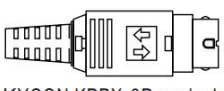
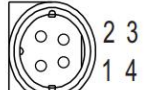
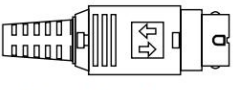
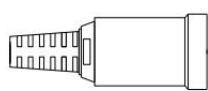
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Optional DC plug: (Available in customized cable or quick adapter)

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		
		/	3.5	1.35	9.5		
	 (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		
		/	3.5	1.35	9.5		
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		
		D2M	5.5	2.1	11.0		
	 (Right-angled)	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(S760K)	5.53	2.03	9.52			
	D2D(760K)	5.53	2.54	9.52			
	Center Pin Style		Type No.	A	B	C	D
		OD		ID	L	Center Pin	
   EIAJ equivalent	D4A	5.5	3.4	11.0	1.0		
	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	