

YS12V SERIES



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

Features

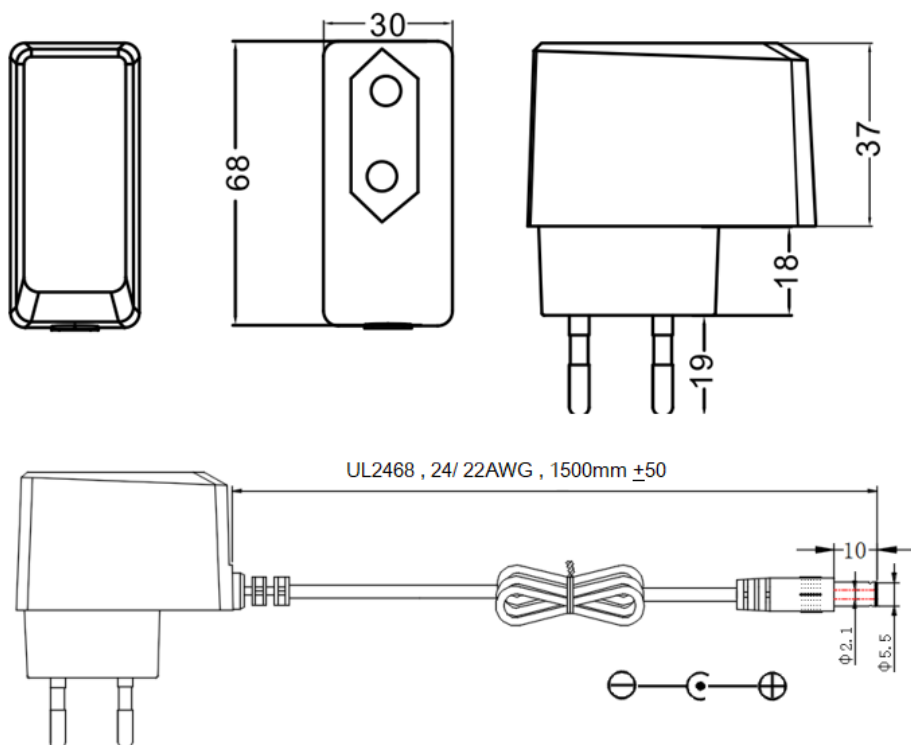
Universal AC input/ Full range
Energy efficiency level VI
Leakage Current: < 0.25mA
Extremely low leakage current
Protection: Over load/Over voltage/Short circuit
Withstand voltage : 3KV
Life Warranty: 3 years

Application

Digital equipment
Consumer electronic devices
Telecommunication devices
Office facilities
Industrial equipments



■ Dimensions and Installation

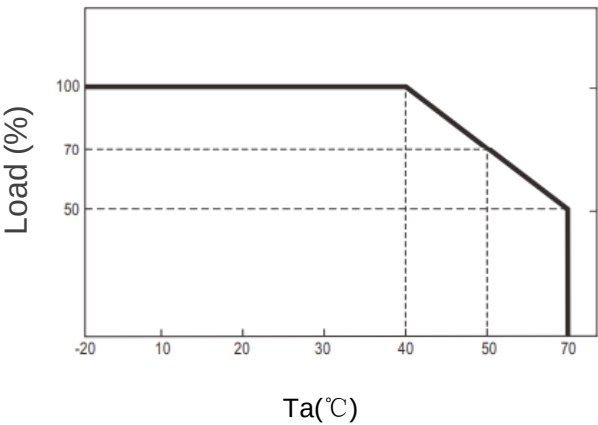


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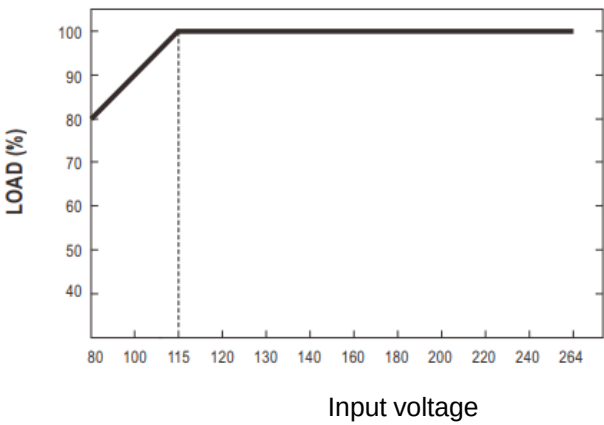
MODEL DETAIL SPEC.		YS12V-0502000E	YS12V-0901300E	YS12V-1201000E	YS12V-1500800E	YS12V-2400500E	YS12V-3600350E
INPUT	Input Voltage range:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	50A/230VAC					
	AC Current:	0.4A/230VAC					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	81.5%	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℃ ~ 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:	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℃/ 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℃)					
	Size:	68*30*37mm					
	Weight:	85g / pcs					
	Packaging:	100PCS/CTN					

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Deduction curve
and temperature

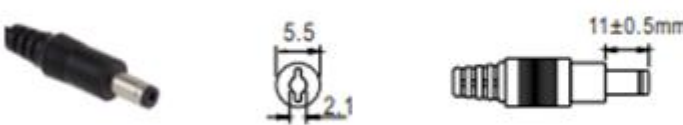


Static Characteristics



■ DC output plug

Standard plug: D1M

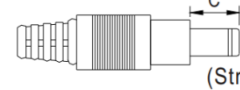
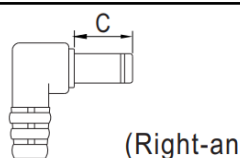
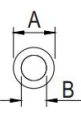
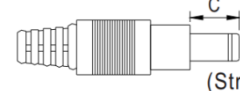
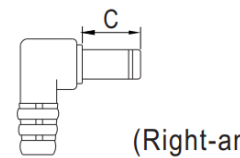
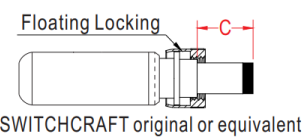
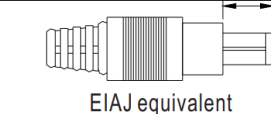
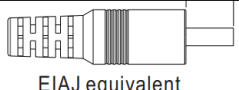
D1M	Pin Assignment
	
	Outside  Inside
	-V not connected to AC FG(standard)
	-V connected to AC FG(optional)

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



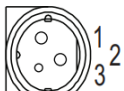
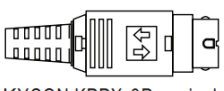
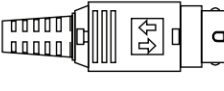
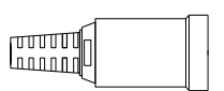
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory
			OD	ID	L	
   (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	
			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	Available (Current rating: 7.5A max.)
			OD	ID	L	
   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	Available (Current rating: 5A max.)
			OD	ID	L	
   EIAJ equivalent	D3A	2.35	0.7	11.0		
	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	