

YSV12 SERIES



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

Features

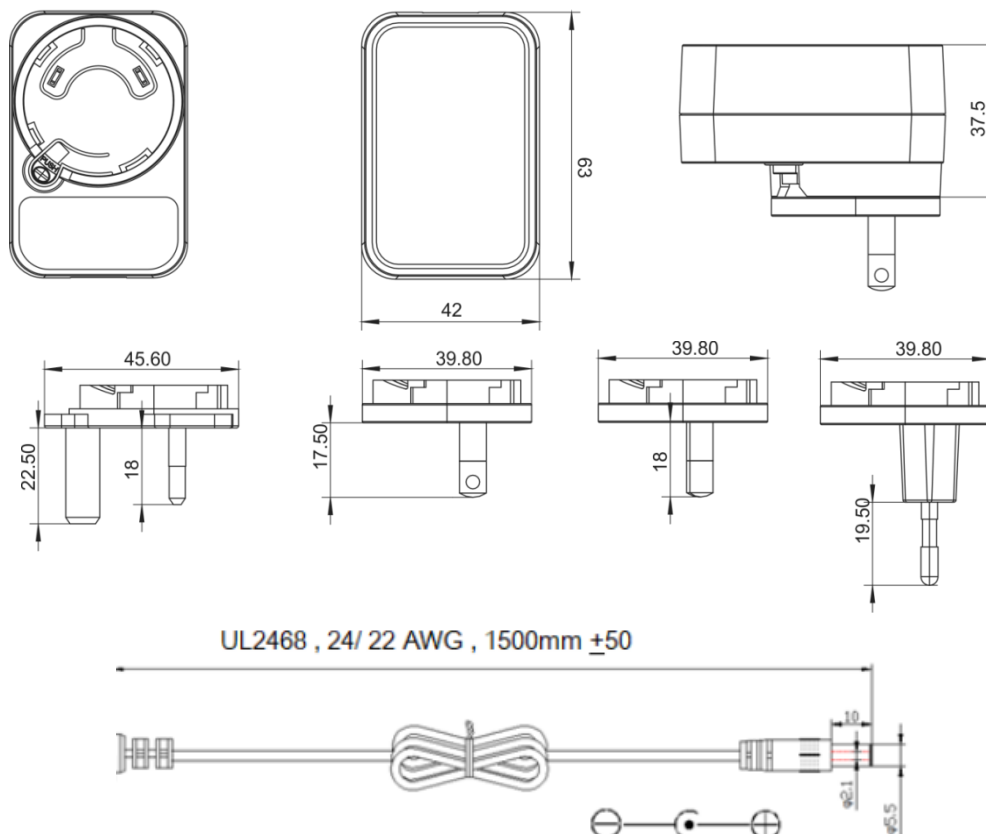
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Telecommunications,
 Security,
 Access Control Systems
 Home Appliances,
 IT
 Motors
 Medical



■ Dimensions and Installation

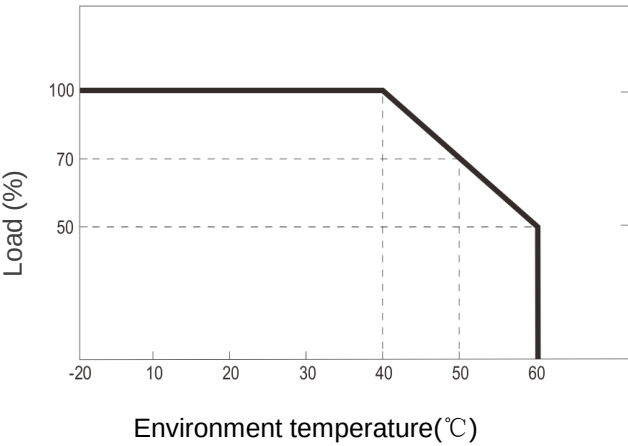


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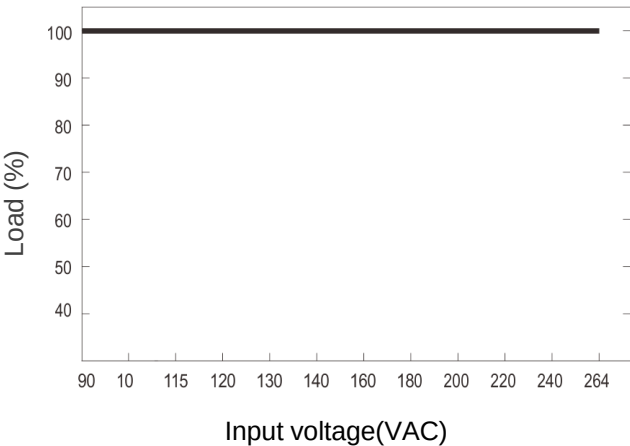
MODEL DETAIL SPEC.		YSV12-0502000	YSV12-0901330	YSV12-1201000	YSV12-1500800	YSV12-1800670	YSV12-2400500
INPUT	Input Voltage:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 60A/230VAC					
	AC Current:	0.5A max.					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	80.5%	84%	84%	85%	85%	85%
OUTPUT	DC Voltage:	5V	9V	12V	15V	18V	24V
	Rated Current:	2A	1.33A	1A	0.8A	0.67A	0.5A
	Rated Power:	12W	12W	12W	12W	12W	12W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-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 ~ +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					
	Over Temperature:	N/A					
SAFETY & EMC	Safety Regulations:	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 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:	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B					
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11					
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25℃)					
	Size:	61.5*40.5*37.5 mm					
	Weight:	135g / pc					
	Packaging:	50PCS					

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Deduction curve and temperature

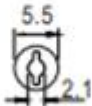


Minus output and input voltage curves



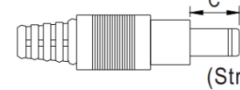
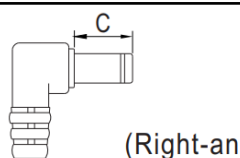
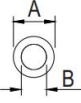
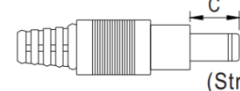
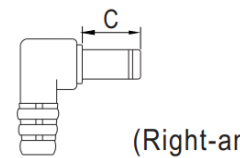
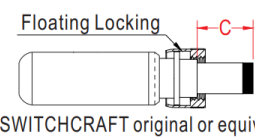
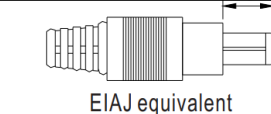
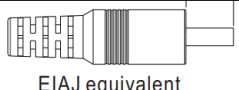
DC output plug

Standard plug :D1M

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

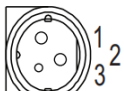
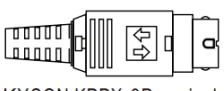
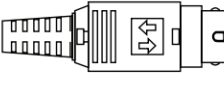
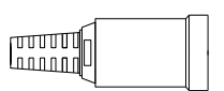
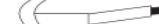
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Optional DC plug: (Available in customized cable or quick adapter)

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	
			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	