

YSV24-30W SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 5V-36V DC
Rated Power: 30W max

Features

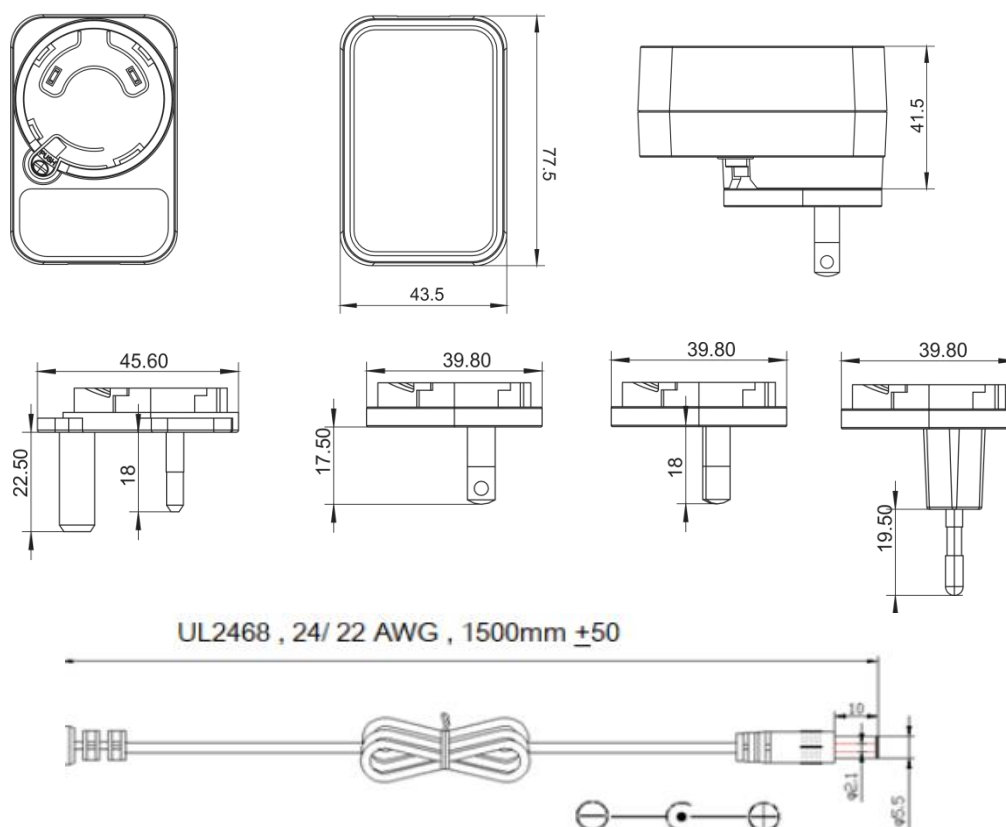
Universal AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

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



■ Dimensions and Installation

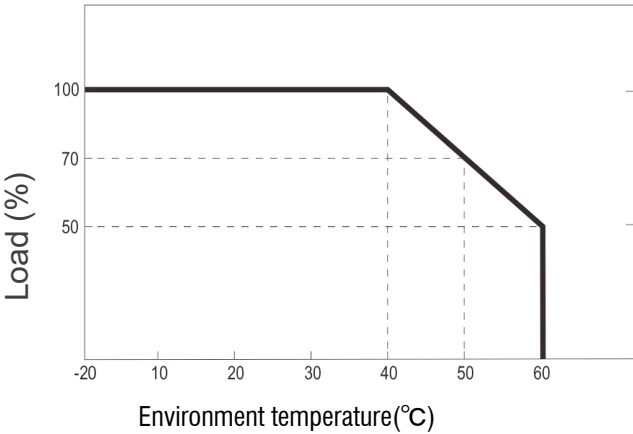


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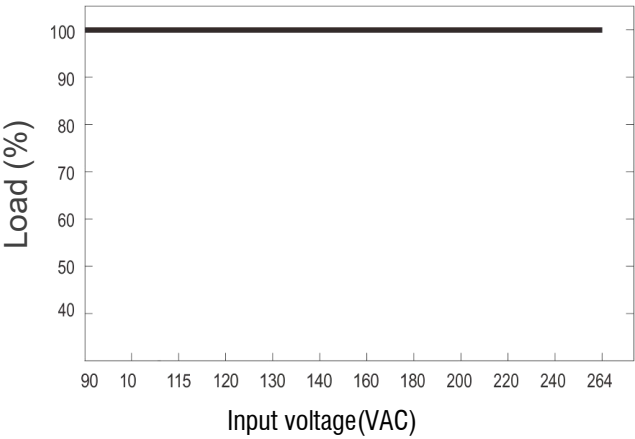
MODEL		DETAIL		SPEC.		YSV24-0504000	YSV24-0903300	YSV24-1202500	YSV24-1502000	YSV24-1801660	YSV24-2401250	YSV48-4800620
INPUT	Input Voltage:	85-265VAC										
	Input Frequency:	50/60Hz										
	Inrush Current:	40A/115VAC 60A/230VAC										
	AC Current:	0.5A max.										
	Leakage Current:	< 0.25mA/240VAC										
	Efficiency:	81%	85%	86%	86%	87%	87%	89%				
OUTPUT	DC Voltage:	5V	9V	12V	15V	18V	24V	48V				
	Rated Current:	4A	3.3A	2.5A	2.0A	1.66A	1.25A	0.62A				
	Rated Power:	20W	30W	30W	30W	30W	30W	30W				
	Voltage Tolerance:	±5.0%	±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	360mVp-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										
ENVIRONM ENTAL	Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")										
	Storage Temp:	-40℃ ~ 85℃										
	Storage Humidity:	10 ~ 95% RH										
	Working Humidity:	20 ~ 95% RH non-condensing										
PROTECTI ON	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/EN61558-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 61558-1 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/EN55014-1:2021 (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:	77.5*43.5*41mm										
	Weight:	187g / pc										
	Packaging:	50PCS										

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Deduction curve and temperature



Minus output and input voltage curves



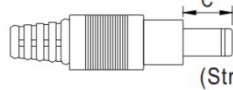
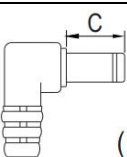
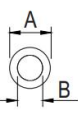
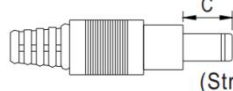
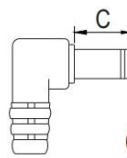
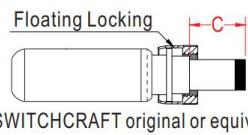
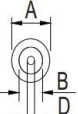
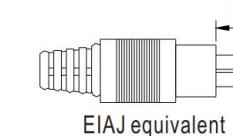
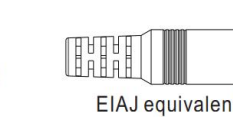
DC output plug

Standard plug :D1M

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

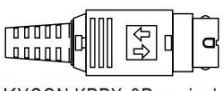
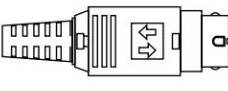
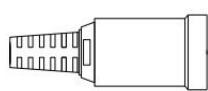
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style			Type No.	A	B	C	Quick Adapter Accessory	
				OD	ID	L		
 	 (Straight)	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			
		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		
  	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	
   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	