

YSV40-60W SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 5V-48V DC
Rated Power: 40W max

Features

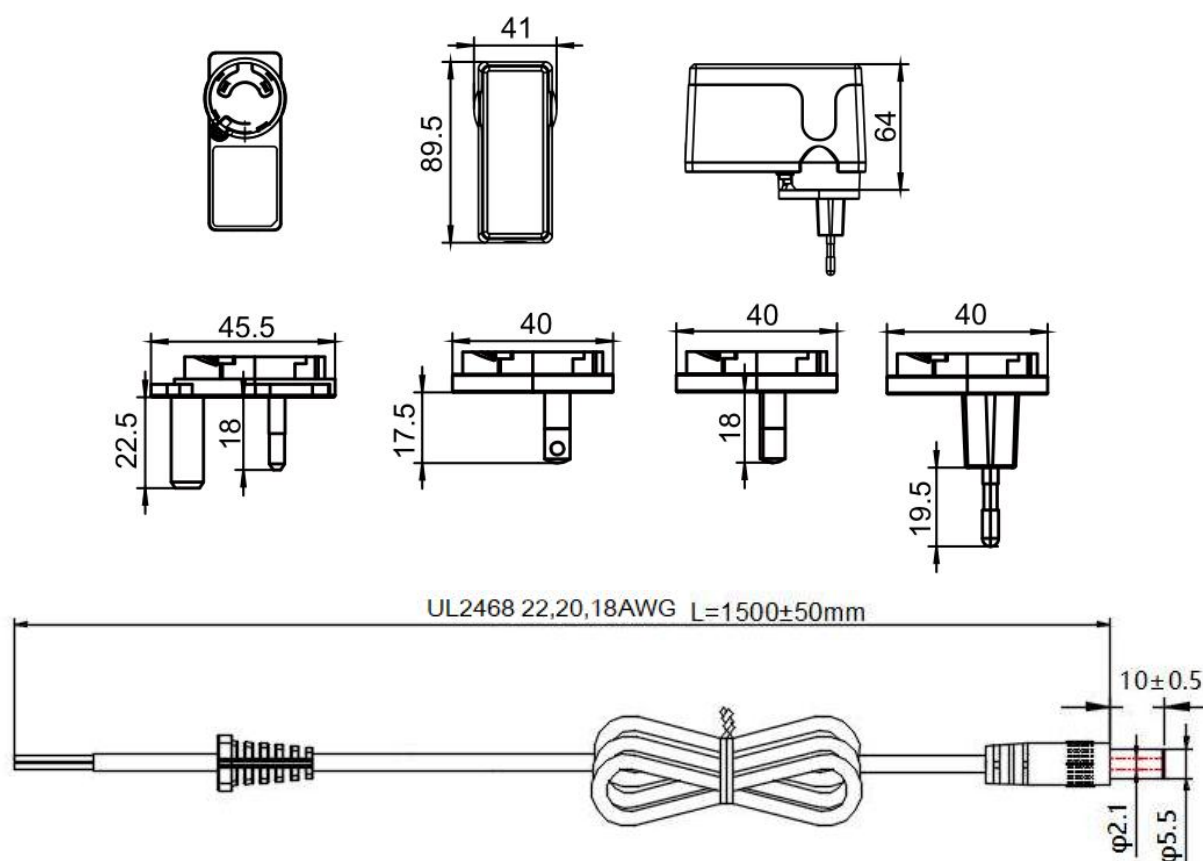
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Telecommunications,
 Security,
 Access Control Systems
 Home Appliances,
 IT



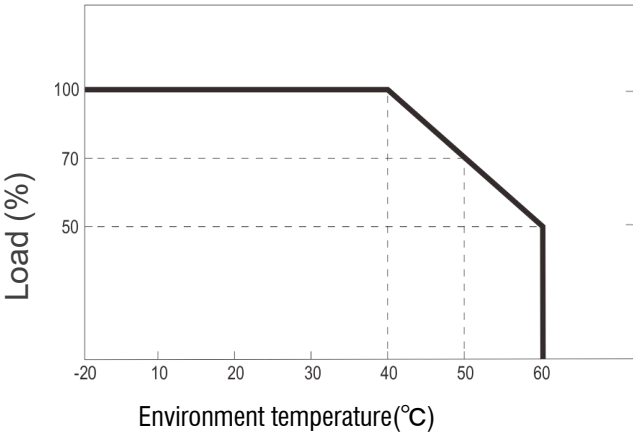
■ Dimensions and Installation



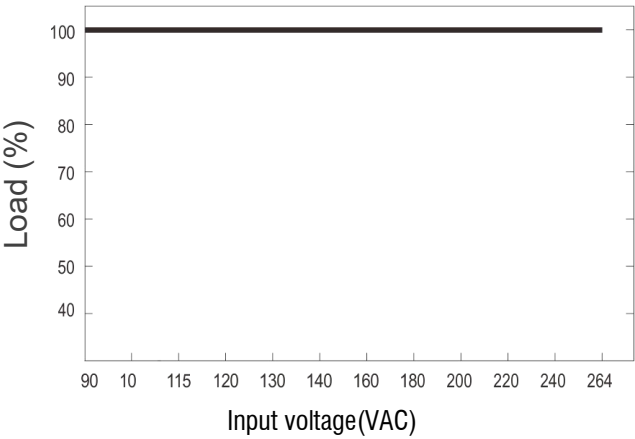
MODEL DETAIL SPEC.		YSV40-0505000	YSV40-0904000	YSV40-1203300	YSV40-1502660	YSV40-2401660	YSV40-3601110	YSV40-4800830
INPUT	Input Voltage:	85-265VAC						
	Input Frequency:	50/60Hz						
	Inrush Current:	40A/115VAC 70A/230VAC						
	AC Current:	1.0A max.						
	Leakage Current:	< 0.25mA/240VAC						
	Efficiency:	81%	85%	87%	87%	88%	89%	89%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	36V	48V
	Rated Current:	5A	4A	3.3A	2.66A	1.66A	1.11A	0.83A
	Rated Power:	25W	36W	40W	40W	40W	40W	40W
	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	220mVp-p	240mVp-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°C ~ 85°C						
	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, 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°C/ 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°C)						
	Size:	89.5*41*64mm						
	Weight:	187g / pc						

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Deduction curve and temperature



Minus output and input voltage curves



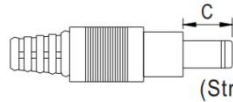
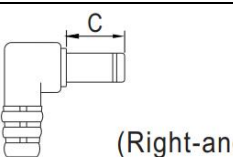
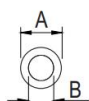
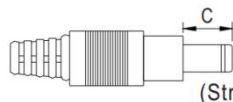
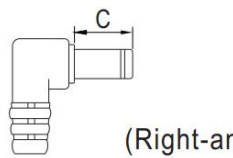
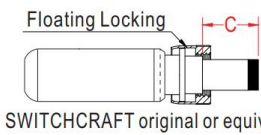
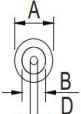
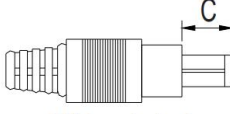
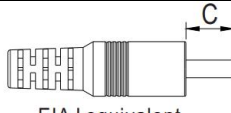
DC output plug

Standard plug :D1M

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

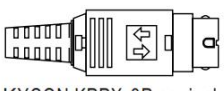
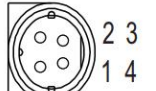
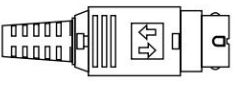
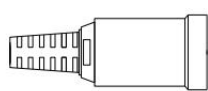
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style			Type No.	A	B	C	Quick Adapter Accessory
				OD	ID	L	
   		(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	
   		(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	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	Quick Adapter Accessory
				OD	ID	L	
  		EIAJ equivalent	D4A	5.5	3.4	11.0	Available (Current rating: 7.5A max.)
			D4B	6.5	4.4	11.0	
			D4C	7.4	5.1	11.0	
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	