

YSC50



Input: 100-240V 3AC, 50 /60Hz

Output Voltage: 9V-48V DC

Rated Power: 60W max

Features

Univeral AC input/ Full range

Energy efficiency level VI

Leakage Current: 0.25mA Max. at 264VAC input

Extremely low leakage current

Protection:Over load/Over voltage/Short circuit

Withstand voltage : 3KV

Life Warranty: 3-5 years alternative

Application

CCTV Camera

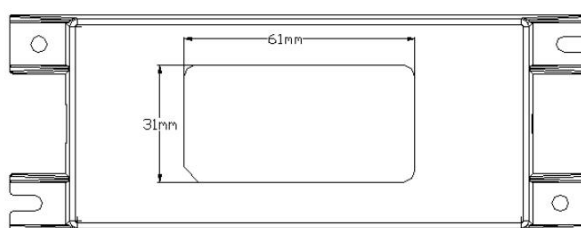
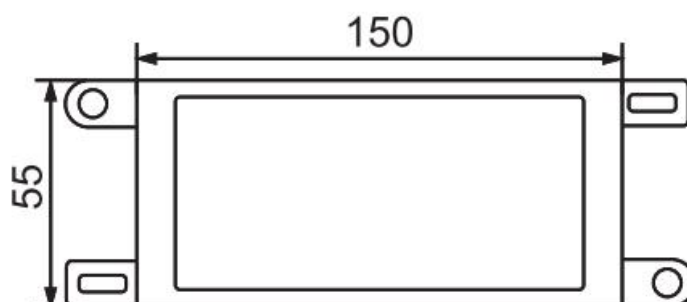
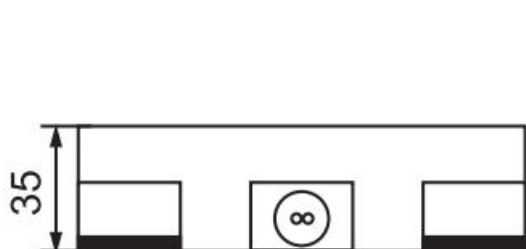
Monitoring System in

Security field

Industrial Display Screen



■Dimensions and Installation

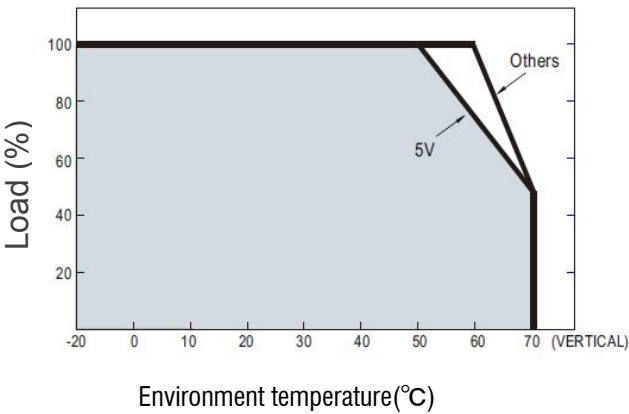


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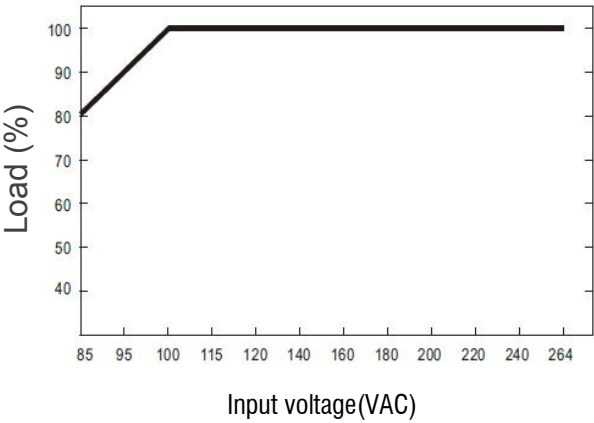
MODEL DETAIL SPEC.		YSC50-0905000	YSC50-1205000	YSC50-1504000	YSC50-1903160	YSC50-2402500	YSC50-4801250
INPUT	Input Voltage:	100-240VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	65 Amps max. at 230VAC/50Hz, full load					
	AC Current:	1.5A max.					
	Leakage Current:	0.25mA Max. at 264VAC input					
	Efficiency:	84%	85%	84%	85%	85%	85%
OUTPUT	DC Voltage:	9V	12V	15V	19V	24V	48V
	Rated Current:	0-5A	0-5A	0-4A	0-3.16A	0-2.5A	0-1.25A
	Rated Power:	45W	60W	60W	60W	60W	60W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	120mVp-p	120mVp-p	200mVp-p	200mVp-p	250mVp-p	300mVp-p
	Line Regulation:	±3%	±3%	±3%	±3%	±3%	±3%
	Load Regulation:	±5%	±5%	±5%	±5%	±5%	±5%
	Setup, Rise, Hold Up time:	1.5 second max./40 MS max./15 MS max. at 115VAC input and output max. load.					
ENVIRONMENTAL	Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")					
	Storage Temp:	-40°C ~ 85°C					
	Storage Humidity:	-40°C ~+70°C ambient temperature a 5% to 95% relative humidity range throughout an altitude range of -60 meters to +5000 meters AMSL.					
	Working Humidity:	-40°C ~+70°C ambient temperature a 5% to 95% relative humidity range throughout an altitude range of -60 meters to +5000 meters AMSL.					
PROTECTION	Over Load:	Above 105% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage:	≤Vout*150%					
	Over Temperature:	Shut down o/p voltage, re-power on to recover					
SAFETY & EMC	Safety Regulations:	UL508, 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°C/ 70% RH					
	EMC Emission:	Radiation Test&Conduction Test: EN 55022/FCC Part 15 Harmonic Test : EN 61000-3-2 Flicker Test : EN 61000-3-3					
	EMC Immunity:	ESD Test:EN 61000-4-2 RS Test:EN 61000-4-3 EFT Test:EN 61000-4-4 Surge Test:EN 61000-4-5 CS Test:EN 61000-4-6 DIP Test:EN 61000-4-11					
	MTBF:	100000 hours minimum at full load at 25°C ambient					

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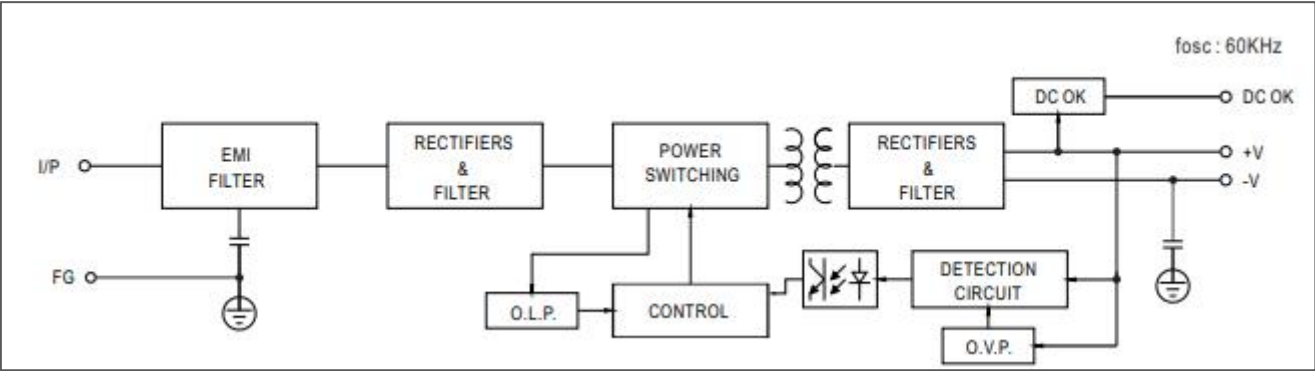
Deduction curve and temperature



Minus output and input voltage curves

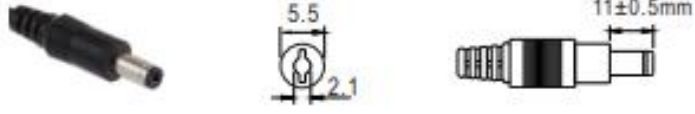


Functional Diagram



Functional Diagram

Standard plug: P1J

P1J	Pin Assignment
	
	Outside  Inside
	-V not connected to AC FG (standard) -V connected to AC FG (optional)

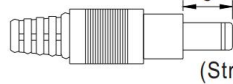
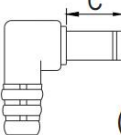
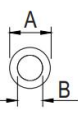
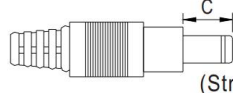
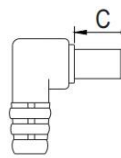
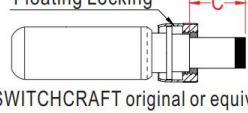
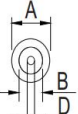
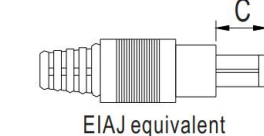
DC plug changeable through:

- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)
- Please refer to below table and online selection guide :

Example quick adapter accessory:

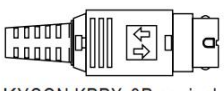
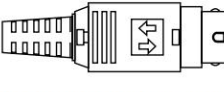
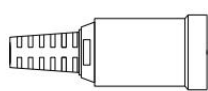
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style			Type No.	A	B	C	Quick Adapter Accessory	
				OD	ID	L		
 	 (Straight)	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)		
		P1L	5.5	2.5	9.5			
		P1M	5.5	2.1	11.0			
	 (Right-angled)	P1IR	5.5	2.5	9.5			
		P1JR	5.5	2.1	11.0			
		P1LR	5.5	2.5	9.5			
		P1MR	5.5	2.5	11.0			
Barrel Style			Type No.	A	B	C	Quick Adapter Accessory	
				OD	ID	L		
 	 (Straight)	P2I	5.5	2.1	9.5	None		
		P2J	5.5	2.1	11.0			
		P2L	5.5	2.5	9.5			
		P2M	5.5	2.1	11.0			
	 (Right-angled)	P2IR	5.5	2.5	9.5			
		P2JR	5.5	2.1	11.0			
		P2LR	5.5	2.5	9.5			
		P2MR	5.5	2.5	11.0			
Lock Style			Type No.	A	B	C	Quick Adapter Accessory	
				OD	ID	L		
  			P2S(S761K)	5.53	2.03	12.06	None	
			P2K(761K)	5.53	2.54	12.06		
			P2C(S760K)	5.53	2.03	9.52		
			P2D(760K)	5.53	2.54	9.52		
Center Pin Style			Type No.	A	B	C	D	Available (Current rating: 7.5A max.)
				OD	ID	L	Center Pin	
   EIAJ equivalent			P4A	5.5	3.4	11.0	1.0	
			P4B	6.5	4.4	11.0	1.4	
			P4C	7.4	5.1	11.0	0.6	
Min. Pin Style			Type No.	A	B	C	Quick Adapter Accessory	
				OD	ID	L		
   EIAJ equivalent			P3A	2.35	0.7	11.0	Available (Current rating: 5A max.)	
			P3B	4.0	1.7	11.0		
			P3C	4.75	1.7	11.0		

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

Tuning Fork Style	Type No.	Pin Assignment		Quick Adapter Accessory
		PIN No.	Output	
   KYCON KPPX-3P equivalent	R6B	1	+Vo	Available (Current rating: 7.5A max.)
		2	-Vo	
		3	+Vo	
Barrel Style	Type No.	Pin Assignment		
		PIN No.	Output	
   KYCON KPPX-4P equivalent	R7B	PIN No.	Output	Available (Current rating: 7.5A max.)
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Lock Style	Type No.	Pin Assignment		
		PIN No.	Output	
   KYCON KPJX-CM-4S equivalent	R7BF	PIN No.	Output	None
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Center Pin Style	Type No.	Pin Assignment		
		PIN No.	Output	
  	R1B	PIN No.	Output	Available (Current rating: 7.5A max.)
		1	-Vo	
		2	-Vo	
		3	+Vo	
		4	-Vo	
		5	+Vo	
Center Pin Style	Type No.	Pin Assignment		
		PIN No.	Output	
  	by customer	1	+Vo	None
		2	-Vo	