

YS35V SERIES



Input: 100-265VAC 50/60Hz

Output Voltage: 5V-36V DC

Rated Power: 36W 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

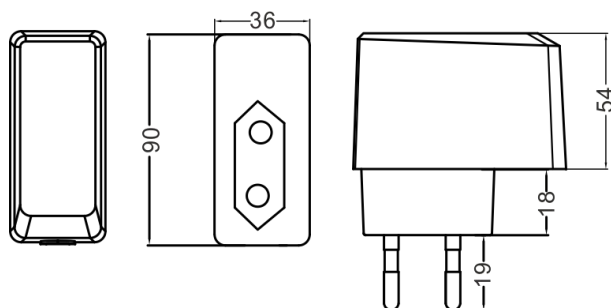
Electric curtains

Kitchen appliances

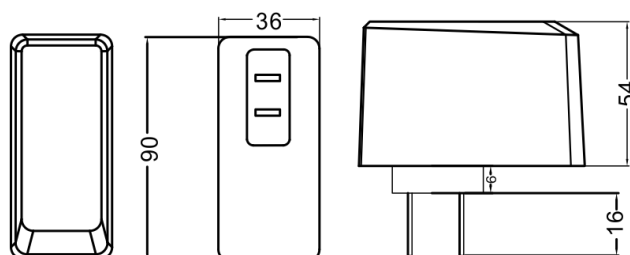
Household appliances



■ Dimensions and Installation



YS6V-E



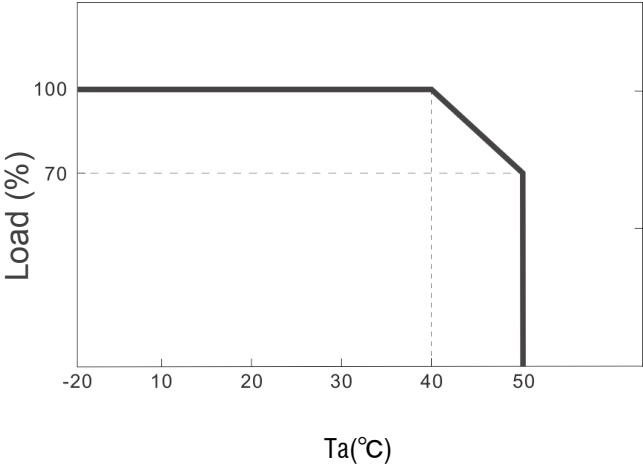
YS6V-U

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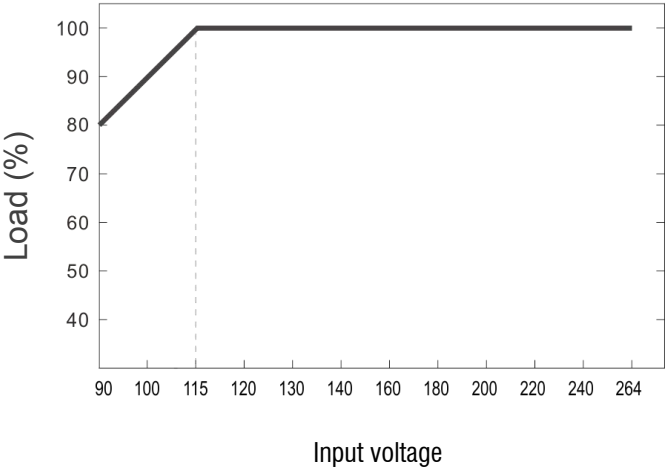
MODEL DETAIL SPEC.		YS35V-0504000	YS35V-0704000	YS35V-0904000	YS35V-1203000	YS35V-2401500	YS35V-3601000
INPUT	Input Voltage:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	15A/115VAC 30A/230VAC					
	AC Current:	0.2A/115VAC 0.21A/230VAC					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	85%	87%	86.8%	86.33%	86.8%	86.33%
OUTPUT	DC Voltage:	5V	7V	9V	12V	24V	36V
	Rated Current:	4A	4A	4A	3A	1.5A	1A
	Rated Power:	20W	28W	36W	36W	36W	36W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	75mVp-p	75mVp-p	900mVp-p	120mVp-p	200mVp-p	300mVp-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°C ~ 85°C					
	Storage Humidity:	10 ~ 95% RH					
	Working Humidity:	20 ~ 95% RH non-condensing					
PROTECTION	Over Load:	Above 105% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage:	5V:5.75~6.75V 7V:8.05~9.45V 9V:10.35~12.15V 12V:13.8~16.2V 24V:27.6~32.4V 36V:41.4~48.6V					
		Protection type: Shut down o/p voltage, re-power on to recover					
	Over Temperature:	Shut down o/p voltage, re-power on to recover					
SAFETY & EMC	Safety Regulations:	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:	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:	100Khrs min. MIL-HDBK-217F(25°C)					
	Size:	90*36*91mm					
	Weight:	150g / pcs					
	Packaging:	50PCS/CTN					

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Deduction curve and temperature

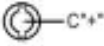


Minus output and input voltage curves



Functional Diagram

Standard plug: P1J

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

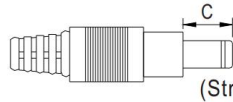
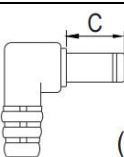
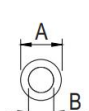
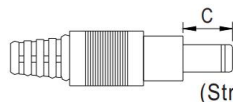
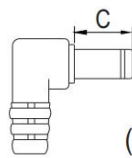
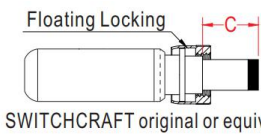
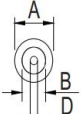
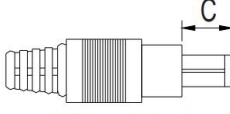
DC plug changeable through:

- (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:

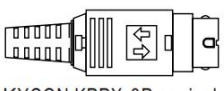
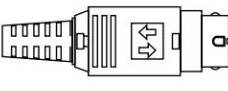
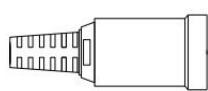
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Optional DC plug: (Available in customized cable or quick adapter)

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			
	 (Right-angled)	P2M	5.5		2.1		11.0			
		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	Quick Adapter Accessory
			OD		ID		L			
   EIAJ equivalent	P4A	5.5		3.4		11.0		1.0		Available (Current rating: 7.5A max.)
	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	