

YS39-U-60W SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 9V-36V DC
Rated Power: 60W max

Features

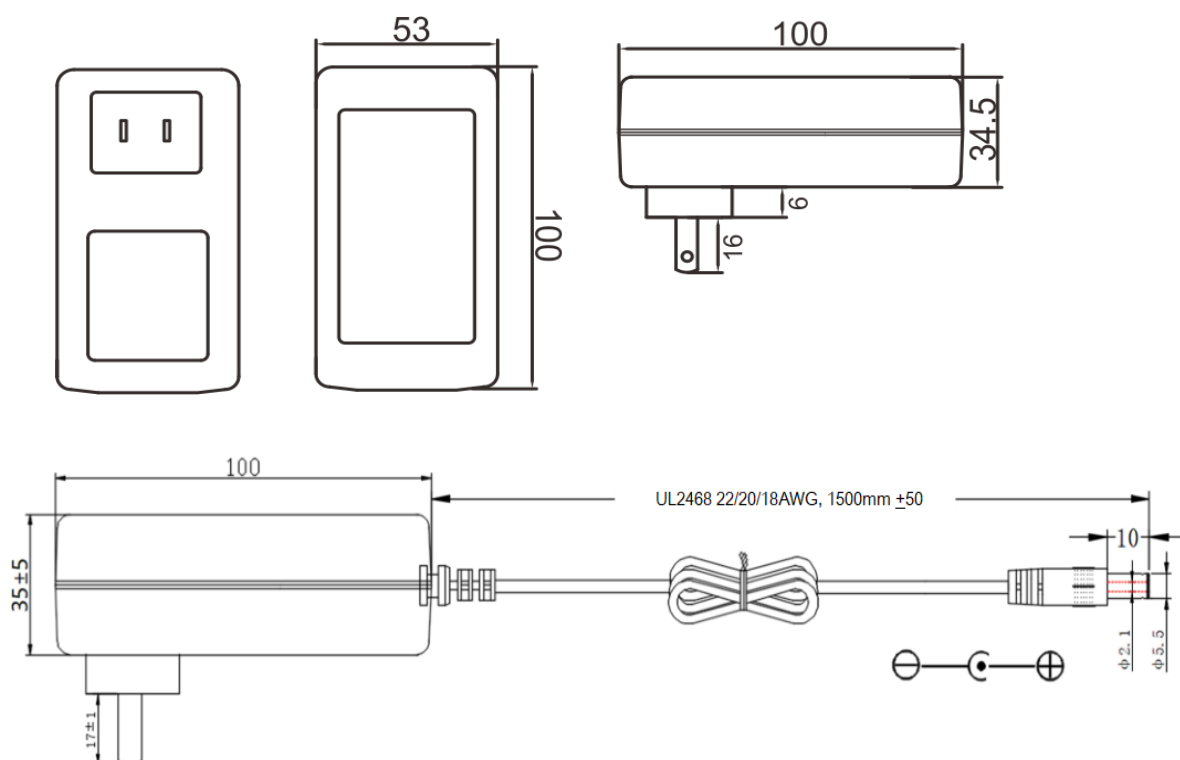
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Digital equipment
 Consumer electronic devices
 Telecommunication devices
 Office facilities
 Industrial equipments



■ Dimensions and Installation

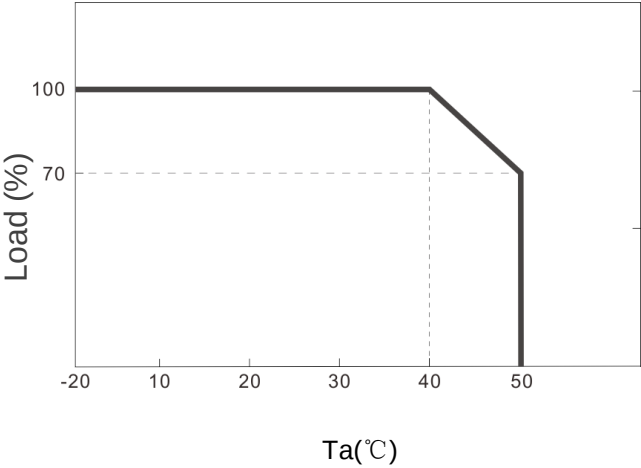


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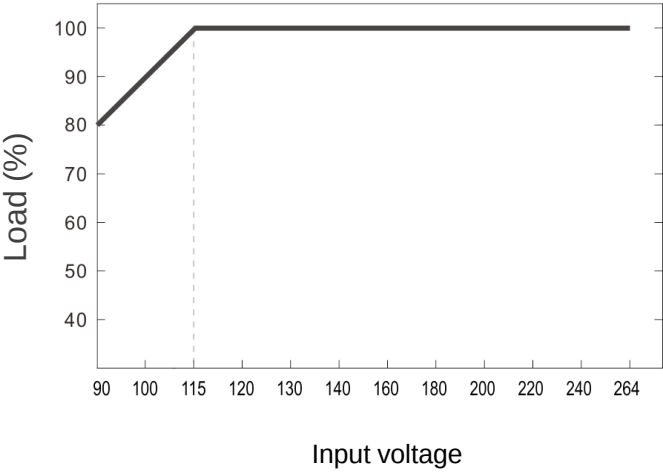
MODEL DETAIL SPEC.		YS39-0905000	YS39-1205000	YS39-1504000	YS39-2402500	YS39-3601660
INPUT	Input Voltage:	85-265VAC				
	Input Frequency:	50/60Hz				
	Inrush Current:	15A/115VAC 30A/230VAC				
	AC Current:	0.2A/115VAC 0.21A/230VAC				
	Leakage Current:	< 0.25mA/240VAC				
	Efficiency:	86.8%	87.5%	87.5%	88%	88%
OUTPUT	DC Voltage:	9V	12V	15V	24V	36V
	Rated Current:	5A	5A	4A	2.5A	1.66A
	Rated Power:	45W	60W	60W	60W	60W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	120mVp-p	120mVp-p	200mVp-p	300mVp-p
	Line Regulation:	±3%				
	Load Regulation:	±5%				
	Setup, Rise, Hold Up time:	500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load				
ENVIRONMENTAL	Operating Temperature:	-20 ~ +50 (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:	Shut down o/p voltage, re-power on to recover				
SAFETY & EMC	Safety Regulations:	UL62368-1 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:	FCC Part15/CISPR22, CAN ICES-3(B) NMB-3(B), Class B				
	EMC Immunity:	FCC Part15/CISPR22, CAN ICES-3(B) NMB-3(B), Class B				
OTHER	MTBF:	300Khrs min. MIL-HDBK-217F(25℃)				
	Size:	90*36*54mm				
	Weight:	250g / pcs				
	Packaging:	50PCS/CTN				

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Deduction curve
and temperature

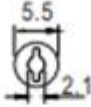


Minus output
and input voltage curves



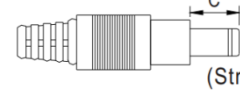
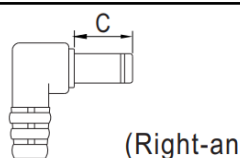
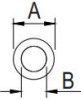
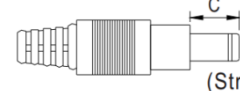
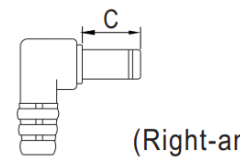
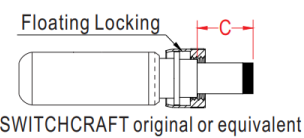
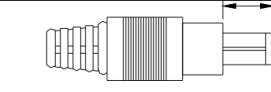
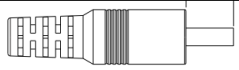
■ DC output plug

Standard plug: D1M

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

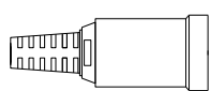
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Optional DC plug: (Available in customized cable or quick adapter)

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	Quick Adapter Accessory	
			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	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	