

YS18V-U SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 9V-36V DC
Rated Power: 30W max

Features

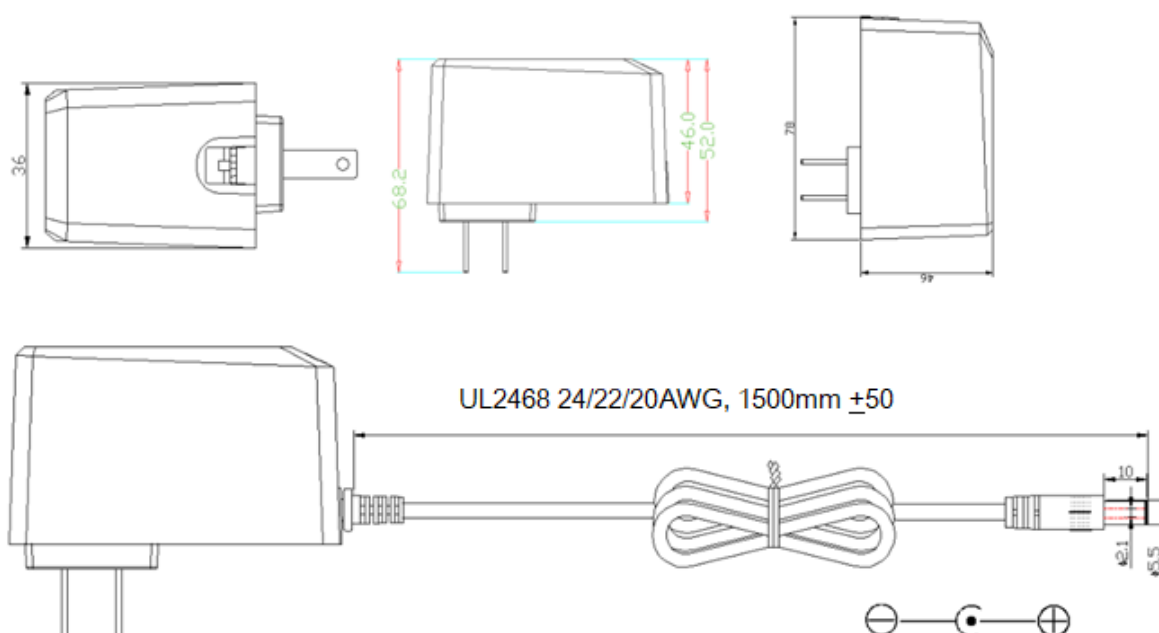
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Digital equipment
 Consumer electronic devices
 Telecommunication devices
 Office facilities
 Industrial equipments



■ Dimensions and Installation

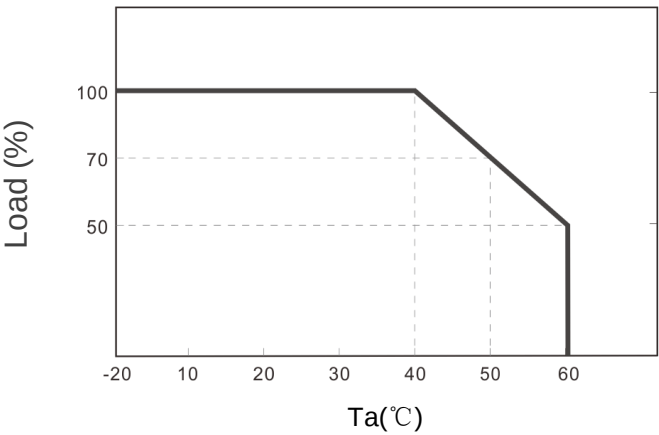


YS18V-U SERIES

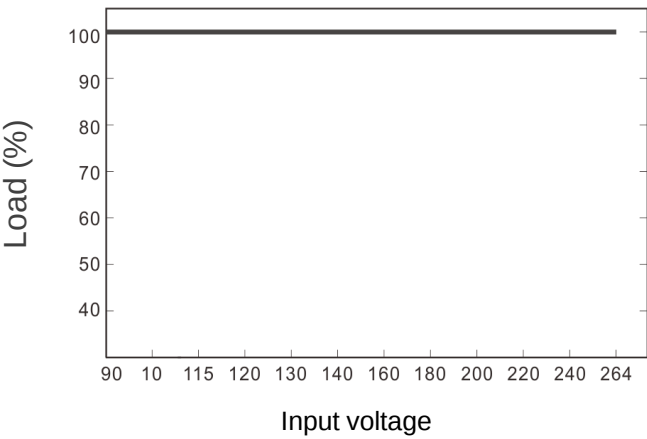
MODEL DETAIL SPEC.		YS18V-0902500	YS18V-1202000	YS18V-1202500	YS18V-1501600	YS18V-2401000	YS18V-2401250	YS18V-3600600
INPUT	Input Voltage:	85-265VAC						
	Input Frequency:	50/60Hz						
	Inrush Current:	15A/115VAC 30A/230VAC						
	AC Current:	0.7A/115VAC 0.35A/230VAC						
	Leakage Current:	< 0.25mA/240VAC						
	Efficiency:	86.52%	86.8%	86.8%	86.33%	86.8%	86.8%	86.33%
OUTPUT	DC Voltage:	9V	12V	12V	15V	24V	24V	36V
	Rated Current:	2.5A	2A	2.5A	1.6A	1A	1.25A	0.6A
	Rated Power:	22.5W	24W	30W	24W	24W	30W	21.6W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	120mVp-p	120mVp-p	180mVp-p	240mVp-p	240mVp-p	300mVp-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						
ENVIRON MENTAL	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% -150% rated output power						
		Protection type: Shut down o/p voltage, re-power on to recover						
	Short Circuit :	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:	500Khrs min. MIL-HDBK-217F(25℃)						
	Size:	78*36*46mm						
	Weight:	120g / pcs						
	Packaging:	100PCS/CTN						

YS18V-U SERIES

Deduction curve
and temperature



Minus output
and input voltage curves



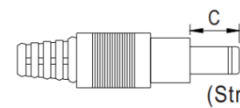
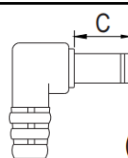
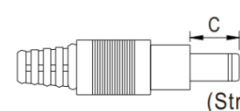
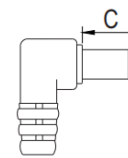
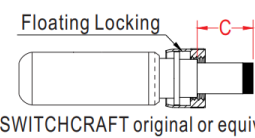
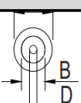
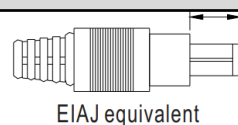
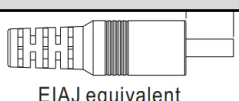
■ DC output plug

Standard plug: D1M

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

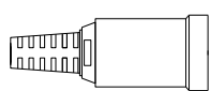
YS18V-U SERIES

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		
	 (Right-angled)	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	
	   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		

YS18V-U SERIES

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	