

YS18V-E SERIES



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

Features

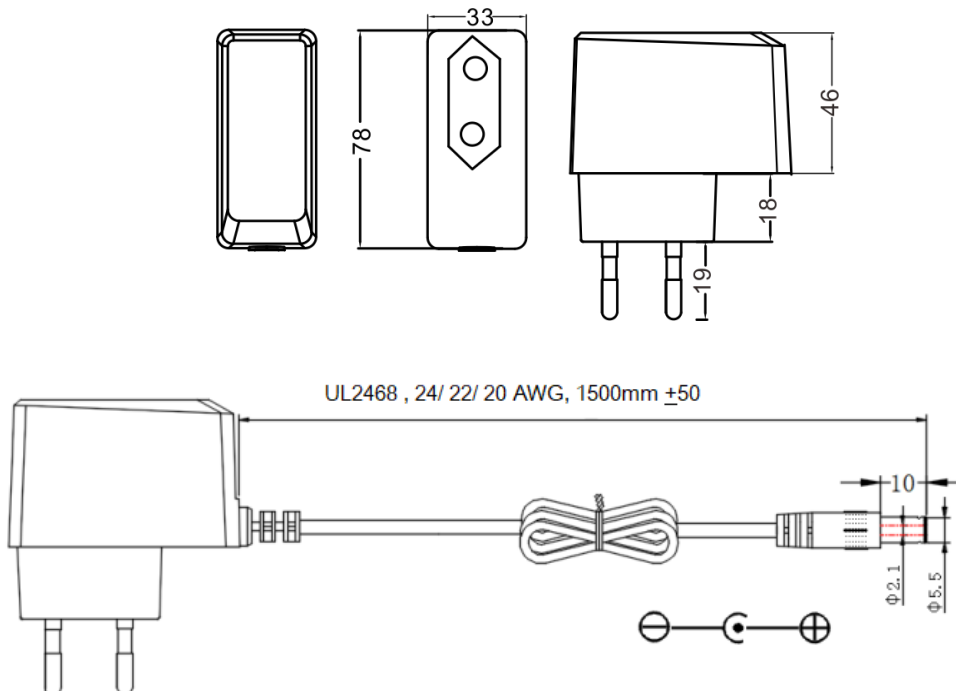
- Univeral AC input/ Full range
- Energy efficiency level VI
- Leakage Current: < 0.25mA
- Extremely low leakage current
- Protection: Over load/Over voltage/Short circuit
- Withstand voltage : 3KV
- Life Warranty: 3 years

Application

- Digital equipment
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments



■ Dimensions and Installation

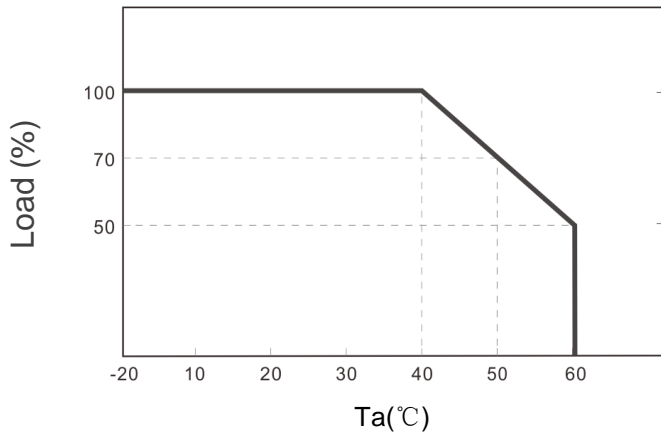


YS18V-E SERIES

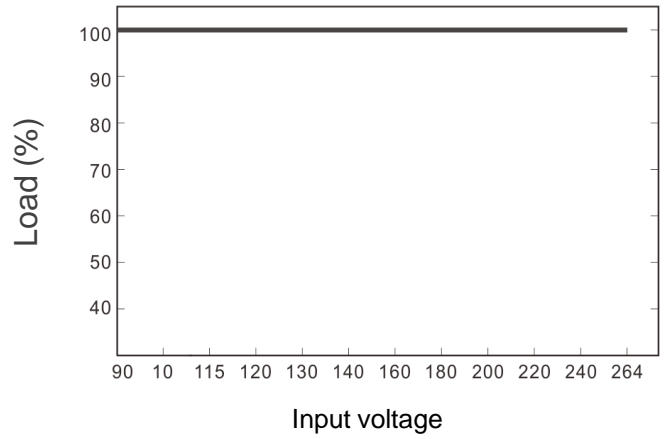
MODEL DETAIL SPEC.		YS18V-0902500	YS18V-1202000	YS18V-1202500	YS18V-1501600	YS18V-2401000	YS18V-2401250	YS18V-3600600
INPUT	Input Voltage:	85-265VAC						
	Input Frequency:	50/60Hz						
	Inrush Current:	15A/115VAC 30A/230VAC						
	AC Current:	0.2A/115VAC 0.21A/230VAC						
	Leakage Current:	< 0.25mA/240VAC						
	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%						
	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:	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:	TUV EN/EN62368-1 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 EN/EN55032 (CISPR32), EN/EN61204-3 Class B, EN/EN61000-3-2,-3						
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11						
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25°C)						
	Size:	78*36*83mm						
	Weight:	120g / pcs						
	Packaging:	100PCS/CTN						

YS18V-E SERIES

Deduction curve and temperature



Minus output and input voltage curves




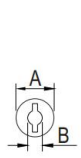
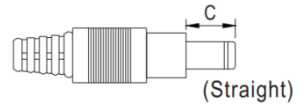
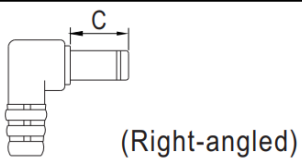

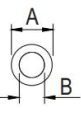
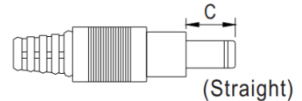
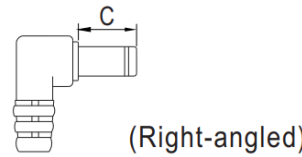

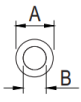
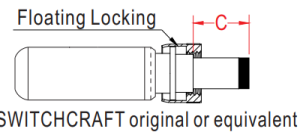

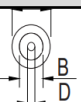
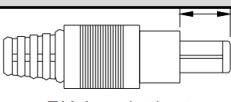


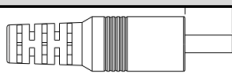
DC output plug

Standard plug: D1M

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

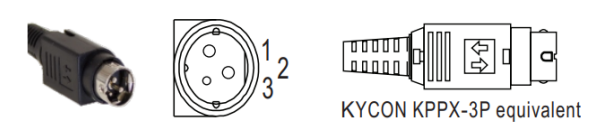

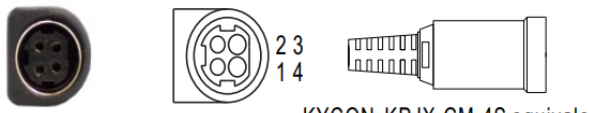

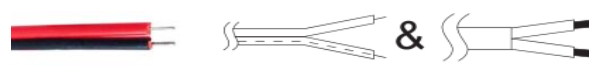
YS18V SERIES

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

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   	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		
   	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		
			OD	ID	L		
   <p>SWITCHCRAFT original or equivalent</p>	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	D	Available (Current rating: 7.5A max.)
			OD	ID	L	Center Pin	
   <p>EIAJ equivalent</p>	D4A	5.5	3.4	11.0	1.0		
	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		
			OD	ID	L		
   <p>EIAJ equivalent</p>	D3A	2.35	0.7	11.0			
	D3B	4.0	1.7	11.0			
	D3C	4.75	1.7	11.0			

YS18V 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	
 <p>KYCON KPPX-3P equivalent</p>	M6B	1	+Vo	Available (Current rating: 7.5A max.)
		2	-Vo	
		3	+Vo	
Min.Din 4Pin with Lock (male)	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)
 <p>KYCON KPPX-4P equivalent</p>	M7B	PIN No.	Output	
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Min.Din 4Pin with Lock (female)	Type No.	Pin Assignment		None
 <p>KYCON KPJX-CM-4S equivalent</p>	M7BF	PIN No.	Output	
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
DIN 5Pin (male)	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)
	M1B	PIN No.	Output	
		1	-Vo	
		2	-Vo	
		3	+Vo	
		4	-Vo	
		5	+Vo	
Stripped and tinned leads	Type No.	Pin Assignment		None
	by customer	1	+Vo	
		2	-Vo	