

YS25C-U SERIES



Input: 85-264VAC 50/60Hz
Output Voltage: 5V-56V DC
Rated Power: 30W max

Features

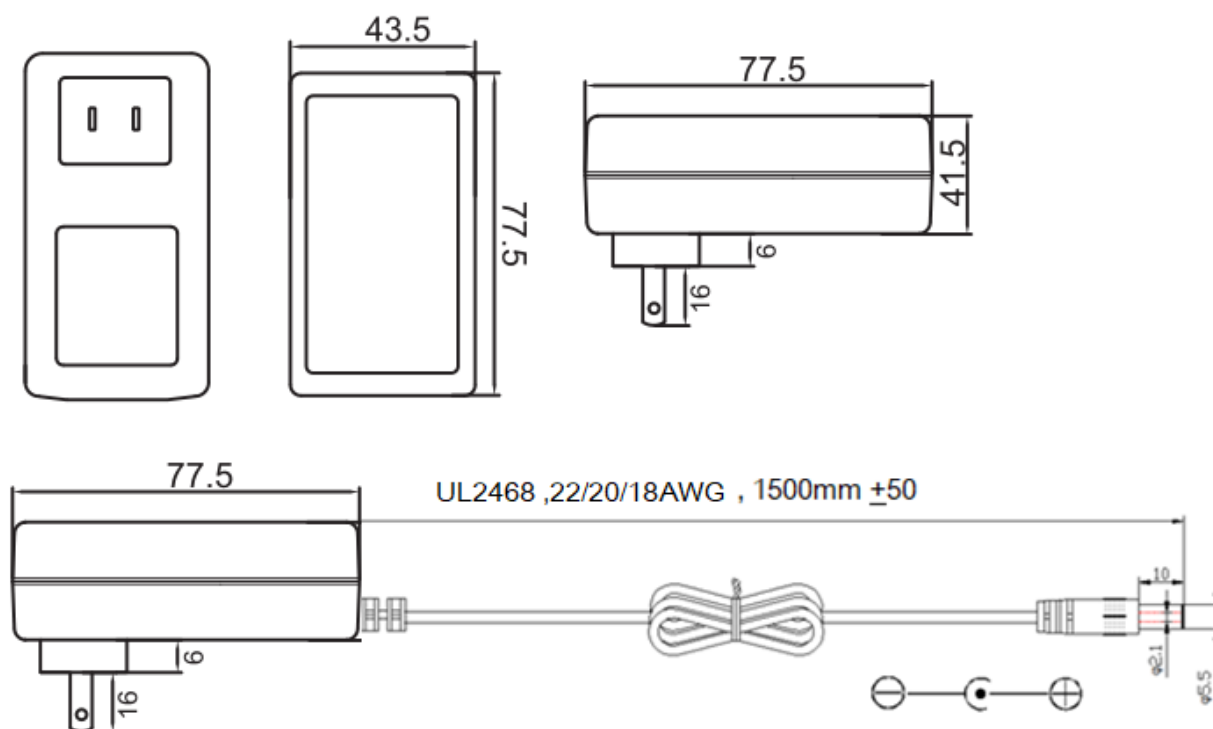
Univeral AC input/ Full range
Energy efficiency level VI
Leakage Current: < 0.25mA
Extremely low leakage current
Protection: Over load/Over voltage/Short circuit
Withstand voltage : 3KV
Life Warranty: 3 years

Application

Digital equipment
Consumer electronic devices
Telecommunication devices
Office facilities
Industrial equipments



■ Dimensions and Installation

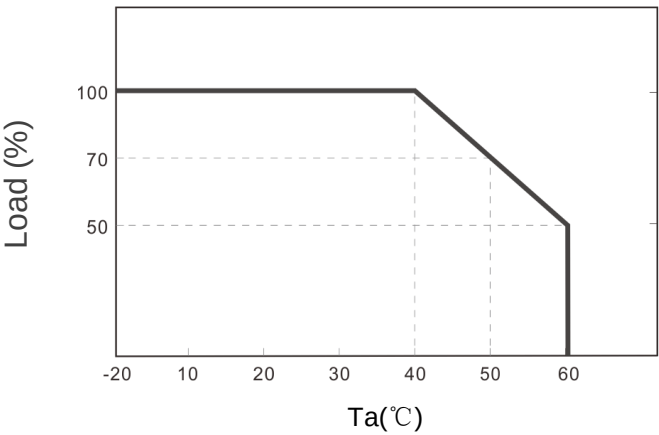


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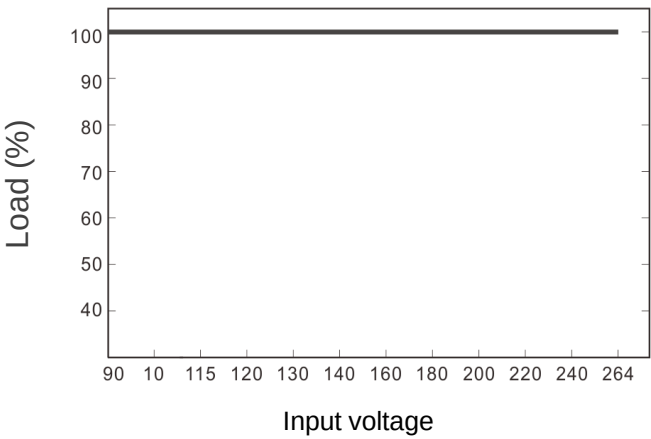
MODEL DETAIL SPEC.		YS25C-0504000	YS25C-0903300	YS25C-1202500	YS25C-1502000	YS25C-2401250	YS25C-3600830
INPUT	Input Voltage:	85-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 70A/230VAC					
	AC Current:	1A/115VAC 0.5A/230VAC					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	80%	84%	86%	86%	87%	88%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	36V
	Rated Current:	4A	3.3A	2.5A	2A	1.25A	0.83A
	Rated Power:	20W	29.7W	30W	30W	30W	30W
	Voltage Tolerance:	±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	300mVp-p
	Line Regulation:	±3%					
	Load Regulation:	±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					
PROTECT ION	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					
	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:	77.5*43.5*41.5mm					
	Weight:	130g / pcs					
	Packaging:	100PCS/CTN					

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Deduction curve and temperature



Minus output and input voltage curves



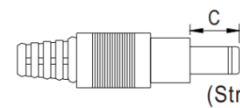
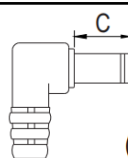
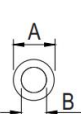
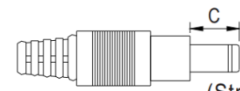
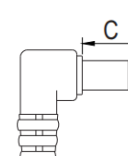
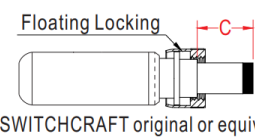
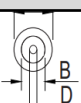
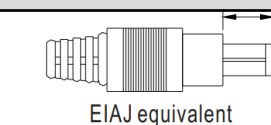
■ DC output plug

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)	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	
	   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		