

YS300 SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 12V-48V DC
Rated Power: 300W max

Features

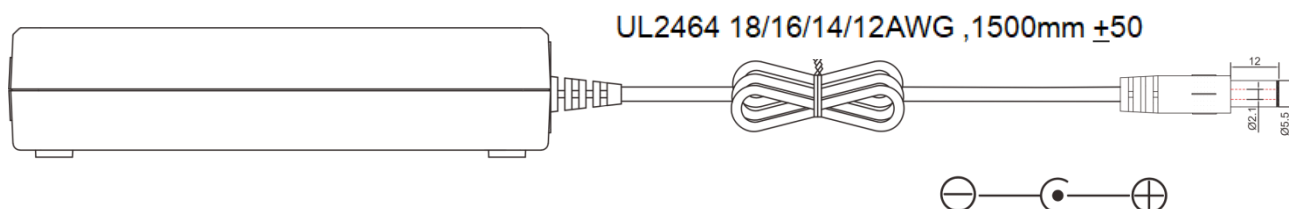
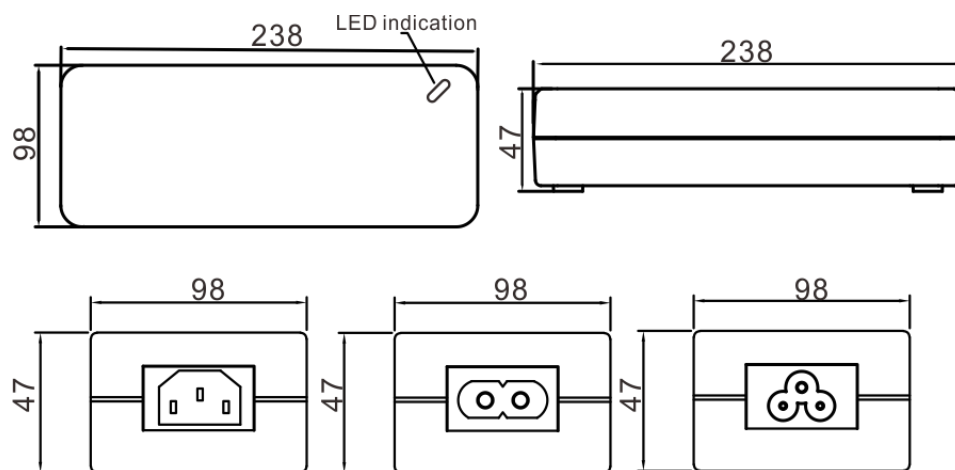
Univeral AC input/ Full range
Energy efficiency level VI
Leakage Current: < 1.5mA
Extremely low leakage current
Protection: Over load/Over voltage/Short circuit
Withstand voltage : 3KV
Life Warranty: 3 years

Application

Digital equipment
Consumer electronic devices
Telecommunication devices
Office facilities
Industrial equipments



■ Dimensions and Installation

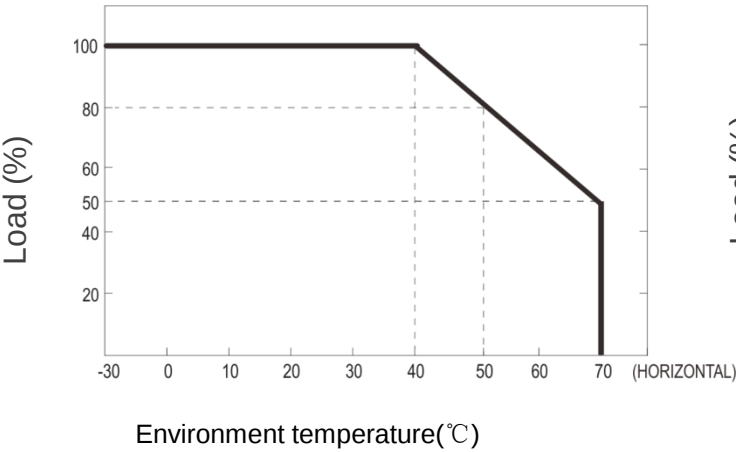


YS300 SERIES

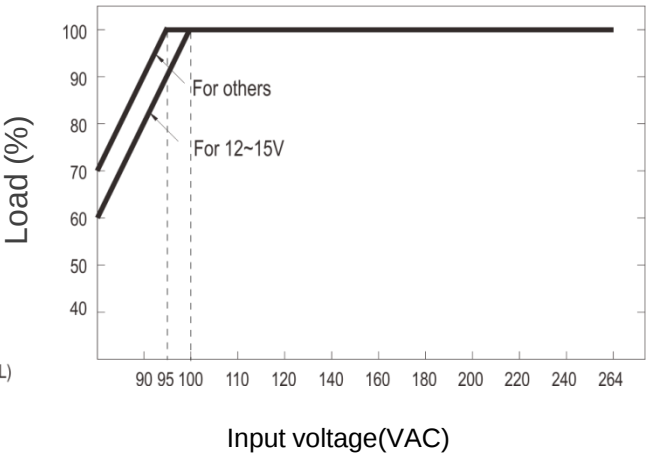
MODEL DETAIL SPEC.		YS300-12025000	YS300-15022000	YS300-19015780	YS300-24012500	YS300-36008330	YS300-48006250
INPUT	Input Voltage:	85-265VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 60A/230VAC					
	AC Current:	3A max.					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	89.5%	89.5%	90%	92%	93%	93%
OUTPUT	DC Voltage:	12V	15V	19V	24V	36V	48V
	Rated Current:	25A	20A	15.78A	12.5A	8.33A	6.25A
	Rated Power:	300W	300W	300W	300W	300W	300W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	120mVp-p	150mVp-p	200mVp-p	240mVp-p	250mVp-p	250mVp-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:	-30 ~ +70 (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:	When the NTC resistance temperature is between 85℃ and 100℃ ,The power supply shall be protected and no deformation and no discoloration on case					
SAFETY & EMC	Safety Regulations:	BS 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℃/ 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:	500Khrs min. MIL-HDBK-217F(25℃)					
	Size:	238*98*47mm					
	Weight:	1100g / pc					
	Packaging:	10PCS/CTN					

YS300 SERIES

Deduction curve and temperature



Minus output and input voltage curves



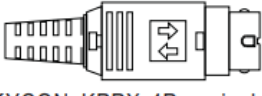
DC output plug

Standard plug: M7B

M7B

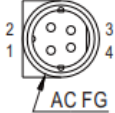


2 3
1 4



KYCON KPPX-4P equivalent

Pin Assignment

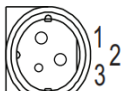
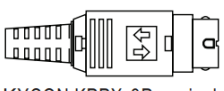
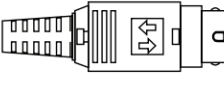
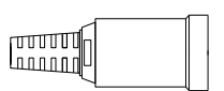
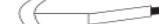


AC FG
-V connected to AC FG

PIN NO.	OUTPUT
1	+Vo
2	-Vo
3	-Vo
4	+Vo

YS300 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	
	Type No.			
  	by customer	1	+Vo	None
		2	-Vo	