

YS12V SERIES



Input: 100-240VAC 50/60Hz
 Output Voltage: 5V-36V DC
 Rated Power: 12W max

Features

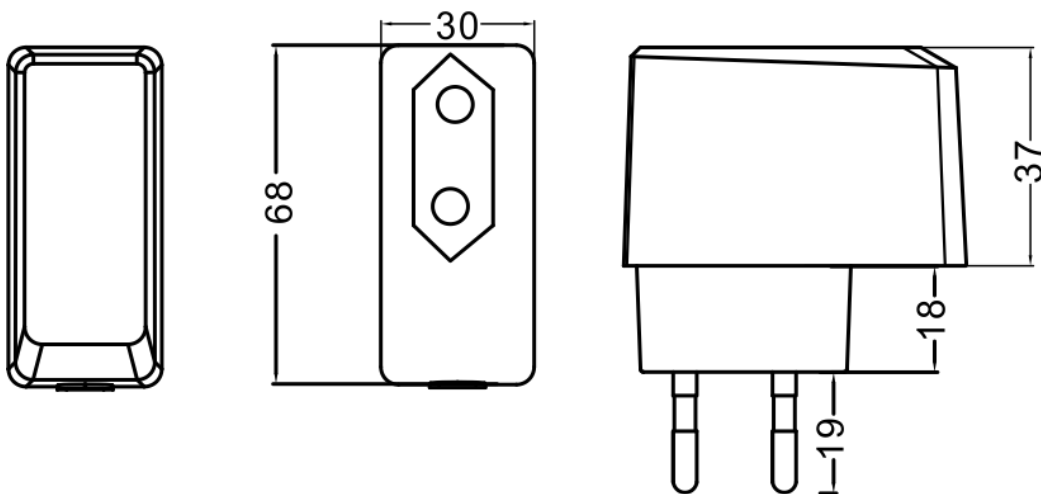
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.25mA
 Extremely low leakage current
 Protection:Over load/Over voltage/Short circuit
 Withstand voltage : 3KV
 Life Warranty: 3 years

Application

Digital equipment
 Electric curtains
 Kitchen appliances
 Household appliances



■ Dimensions and Installation



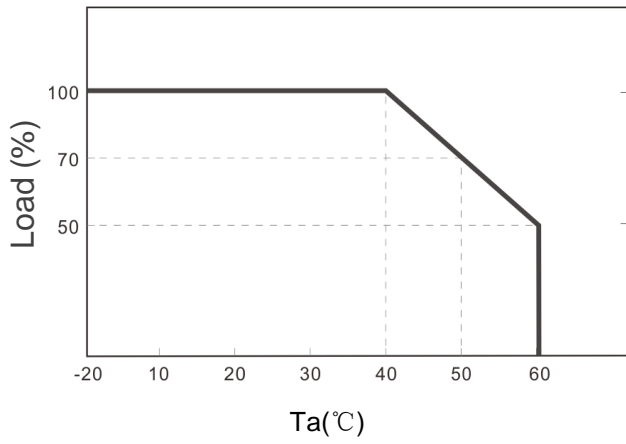
YS12V-E

YS12V SERIES

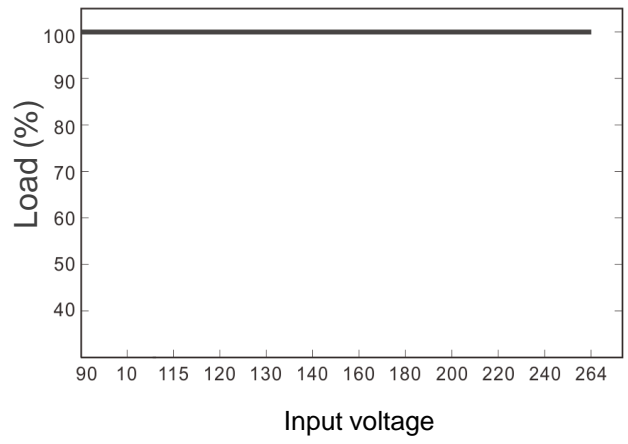
MODEL DETAIL SPEC.		YS12V-0502000E	YS12V-0901300E	YS12V-1201000E	YS12V-1500800E	YS12V-2400500E	YS12V-3600350E
INPUT	Input Voltage range:	90-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	50A/230VAC					
	AC Current:	0.4A/230VAC					
	Leakage Current:	< 0.25mA/240VAC					
	Efficiency:	80%	84%	84%	84%	84%	84%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	36V
	Rated Current:	2A	1.3A	1A	0.8A	0.5A	0.35A
	Rated Power:	10W	11.7W	12W	12W	12W	12W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	75mVp-p	90mVp-p	120mVp-p	150mVp-p	240mVp-p	300mVp-p
	Line Regulation:	±3%					
	Load Regulation:	±5%	±5%	±5%	±5%	±5%	±5%
	Setup, Rise, Hold Up time:	1000ms, 30ms/25ms 230VAC 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:	Above 110-180% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage:	>120% 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:	TUV ,EN62368-1					
	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 EN55032 (CISPR32), EN61000-3-2,-3					
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11					
OTHER	MTBF:	100Khrs min. MIL-HDBK-217F(25°C)					
	Size:	68*30*37mm					
	Weight:	85g / pcs					
	Packaging:	100PCS/CTN					

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Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

