

YSV12M-USB SERIES

Input: 85-264VAC 50/60Hz
Output Voltage: 5V-48V DC
Rated Power: 12W max

Features

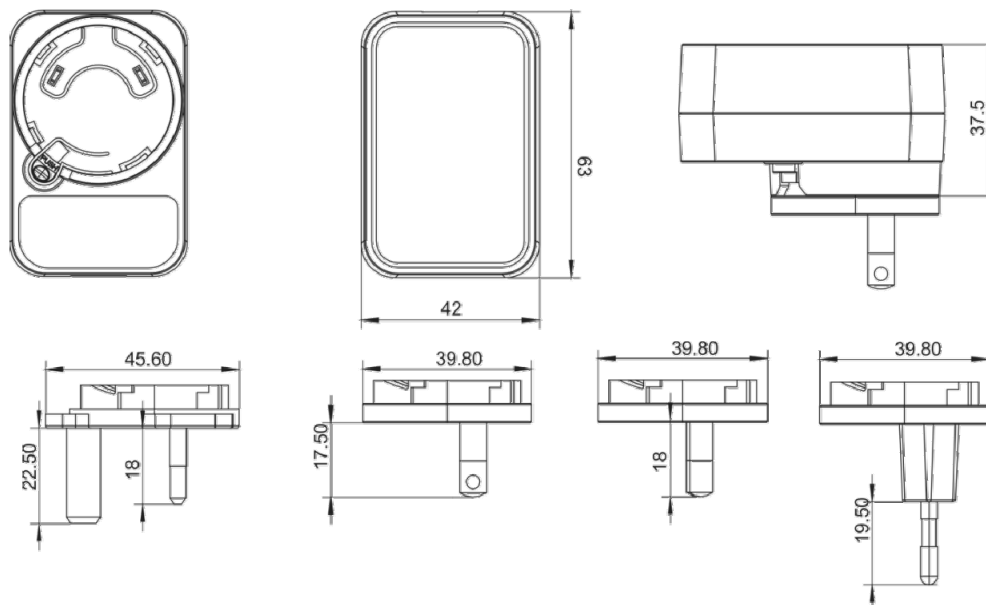
Univeral AC input/ Full range
 Energy efficiency level VI
 Leakage Current: < 0.1mA
 Extremely low leakage current
 Protection: Over load/Over voltage/Short circuit
 Withstand voltage : 4KV
 Life Warranty: 3 years

Application

Blood glucose meter
 Blood pressure meter
 Nebulizer
 Portable medical device
 Sleep apnea device



■ Dimensions and Installation

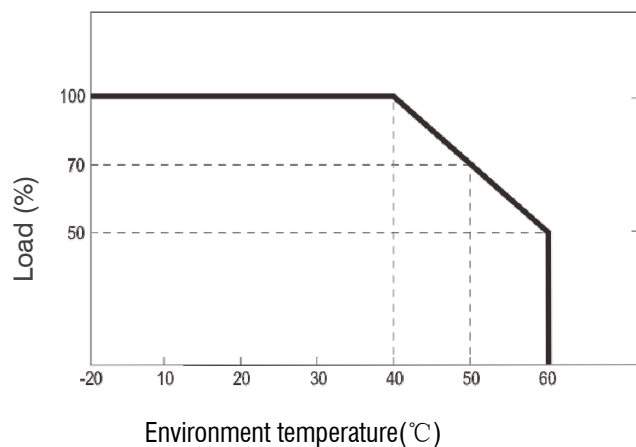


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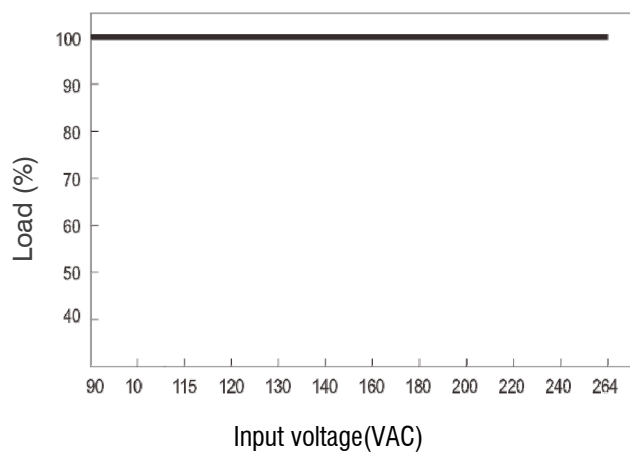
MODEL DETAIL SPEC.		YSV12-0502400M	YSV12-0901330M	YSV12-1201000M	YSV12-1500800M	YSV12-1800670M	YSV12-2400500M
INPUT	Input Voltage:	85-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	40A/115VAC 60A/230VAC					
	AC Current:	0.5A max.					
	Leakage Current:	< 0.1mA/240VAC					
	Efficiency:	80.5%	84%	84%	85%	85%	85%
OUTPUT	DC Voltage:	5V	9V	12V	15V	18V	24V
	Rated Current:	2.4A	1.33A	1A	0.8A	0.67A	0.5A
	Rated Power:	12W	12W	12W	12W	12W	12W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-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:	-20 ~ +60 (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:	N/A					
SAFETY & EMC	Safety Regulations:	ANSI/AAMI ES60601-1 approved					
	Withstand Voltage:	I/P-O/P:4KVAC					
	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:	61.5*40.5*37.5 mm					
	Weight:	135g / pc					
	Packaging:	50PCS					

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Deduction curve and temperature



Minus output and input voltage curves



DC output plug

USB type A