
YSP20S SERIES**Input:100-240VAC 50/60Hz****Output Voltage: 5-12VDC****Rated Power :12W max****Features**

High Efficiency
Standby Power < 0.1W
Energy Efficiency Level VI
Standard: IEEE802.3af/at
Data rate:10/100Mbps
Protections: Short Circuit, OCP,OVP
Three-year Warranty

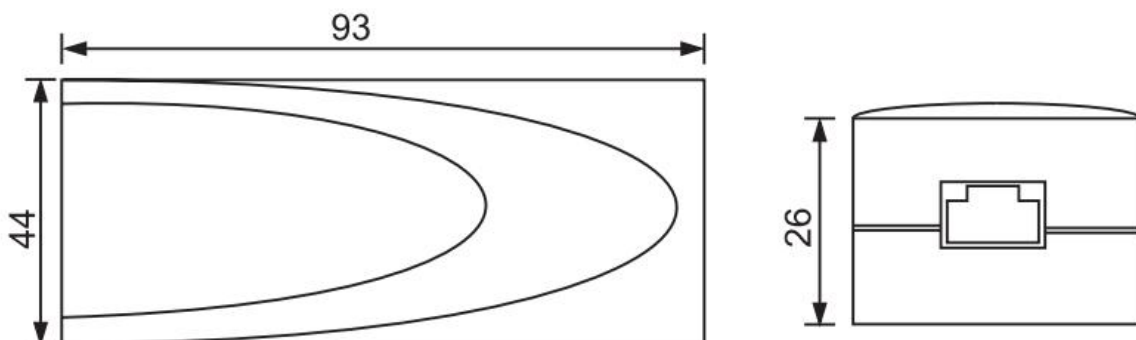
Application

IP Phones,Wireless Networks Access Points,
IP print servers, Blue tooth access points,
IP Cameras, UPS, Switch, Smart door system etc.

CE RoHS

■ Dimensions and Installation

Dimensions: (mm)

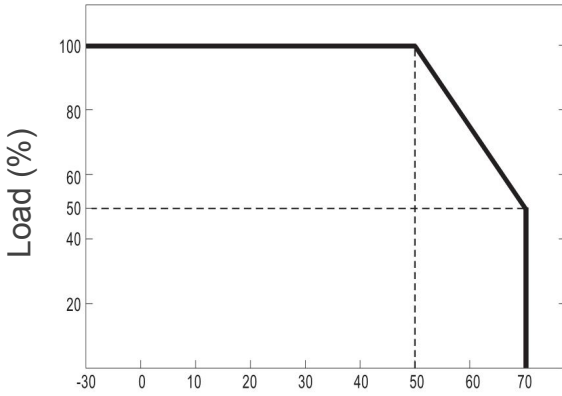


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| MODEL DETAIL SPEC. | | YSP20S-0501000 | YSP20S-1201000 |
|--------------------|----------------------------|---|----------------|
| INPUT | Input Voltage: | 100-240VAC | |
| | Input Frequency: | 50/60Hz | |
| | Inrush Current: | 50 Amps max. at 230VAC/50Hz, full load | |
| | AC Current: | 0.8A max. | |
| | Leakage Current: | 0.25mA Max. at 264VAC input | |
| | Efficiency: | 73.6% | 83% |
| OUTPUT | DC Voltage: | 5 | 12V |
| | Rated Current: | 0-1A | 0-1A |
| | Rated Power: | 5W | 12W |
| | Voltage Tolerance: | ±5.0% | ±5.0% |
| | Ripple and Noise: | 80mVp-p | 120mVp-p |
| | Line Regulation: | ±3% | ±3% |
| | Load Regulation: | ±5.0% | ±5.0% |
| | Setup, Rise, Hold Up time: | 2S/ 80mS/ 15mS (115V/60HZ MAX ROAD) 1S/ 80mS/ 30mS (230V/50HZ MAX ROAD) | |
| ENVIRONMENTAL | Operating Temperature: | -20 ~ +60 (Refer to "Derating Curve") | |
| | Storage Temp: | -40°C ~ 85°C | |
| | Storage Humidity: | -40°C ~+70°C ambient temperature a 5% to 95% relative humidity range throughout an altitude range of -60 meters to +5000 meters AMSL. | |
| | Working Humidity: | -40°C ~+70°C ambient temperature a 5% to 95% relative humidity range throughout an altitude range of -60 meters to +5000 meters AMSL. | |
| PROTECTION | Over Load | Above 105% rated output power | |
| | | Protection type: Hiccup mode, recovers automatically after fault condition is removed. | |
| | Over Voltage: | ≤Vout*150% | |
| | Short Circuit: | Protection to Zero Voltage | |
| SAFETY & EMC | Safety Regulations: | IEEE802.3at/af (POE) | |
| | Withstand Voltage: | I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC | |
| | Isolation Resistance: | I/P-O/P: 100M Ohms / 500VDC / 25 / 70% RH | |
| | EMC Emission: | Radiation Test&Conduction Test: EN 55022/FCC Part 15 Harmonic Test : EN 61000-3-2 Flicker Test : EN 61000-3-3 | |
| | EMC Immunity: | ESD Test:EN 61000-4-2 RS Test:EN 61000-4-3 EFT Test:EN 61000-4-4 Surge Test:EN 61000-4-5 CS Test:EN 61000-4-6 | |

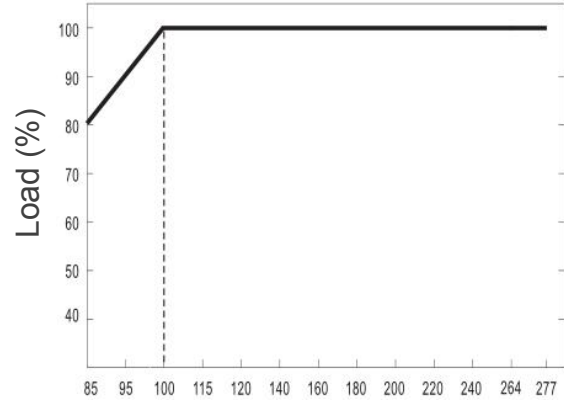
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Deduction curve and temperature



Environment temperature(°C)

Minus output and input voltage curves



Input voltage(VAC)

Functional Diagram

