

Model: RS-03/12 Series 36W 12V/3A



INPUT SPEC.

Input Voltage Range: 90-264VAC
 Input frequency Range: 47-63Hz
 AC Input Current: 1.0A @100VAC full load
 Inrush Current: 50A @240VAC cold start
 No Load Power Consumption: <0.5W@230VAC
 Efficiency at Full Load: 80% Min.

OUTPUT SPEC.

Mode	Output Voltage	Output Current	Output Power	Ripple & Noise
RS-300/120-S325	+12VDC	0-3A	36W	120mVp-p

Load Regulation: $\pm 5\%$
 Line Regulation: $\pm 1\%$
 OVP: 110%-145% of rated output voltage
 OCP: 120%-180% of rated output current
 SCP: Hiccup mode, Auto-restart

EMC & SAFETY

EMI Standard:
 FCC Part 15B, EN55022 Class B
 EMS Standard:
 EN61000-3-2,3 N61000-4-2,3,4,5,6,8,10
 Safety Standard :
 IEC/EN60950-1, UL60950-1

FEATURES

- ☆ Universal AC input voltage
- ☆ PWM switching mode power supply
- ☆ Small size, attractive profile
- ☆ OVP, OCP, SCP
- ☆ LED indication for power on
- ☆ RoHS compliance
- ☆ 100% full load Burn-in test
- ☆ MTBF: more than 50,000Hrs
- ☆ Safety approval: CE,C-TICK,PSE,EK,UL,GS,CB,FCC,GOST-R,EUP
- ☆ DC connector can be selected
- ☆ Meet with CEC Level IV standard

RELIABILITY TEST SPEC.

Leakage Current: 0.25mA Max. @264VAC
 Hi-Pot: Primary to Second
 1800VAC 1minute, cut off current:5mA for 3pin AC inlet power, or 2545VDC 1minute, cut off current:5mA
 3000VAC 1minute, cut off current:5mA for 2pin AC inlet power, or 4242VDC 1minute, cut off current:5mA
 Insulation Resistance:
 >50M Ω Min. @500VDC at Primary to Second
 Vibration:10-300Hz,1G,10minute/1cycle, 3.5mm breadth, period for 1Hr, each axes

GENERAL SPEC.

AC Input Plug: IEC320 C14/C8/C6
 Hold Up Time: 10mS Min. @115VAC full load
 Rise Time: 20mS Max. @115VAC full load
 DC Cable Length: 1.2m UL1185 20AWG
 DC Connector: Tuning Fork
 Unit Weight: 0.20Kg
 Quantity Per Carton: 50pcs
 Dimension: L106*W46*H33 (mm)

ENVIRONMENTAL SPEC.

Operating Temperature: 0°C to +40°C
 Storage Temperature: -30°C to +70°C