



Model No.:AD9012 (30W)

INPUT CHARACTERISTICS

Input Voltage Range 90-264Vac  
 Input Frequency Range 47-63Hz  
 Input Current < 1 Arms at 90Vac and maximum load.  
 Inrush Current Cold Start, < 220 Ampere at 220 VAC with maximum load.  
 No Load Operation (measure at 115Vac/60Hz and 230Vac/50Hz)

| No Load/Light Load |                     |
|--------------------|---------------------|
| Output Load        | Maximum Input Power |
| 0W                 | 0.3W                |
| 0.5W               | 1.0W                |
| 1.0W               | 1.7W                |
| 1.5W               | 2.4W                |

Efficiency

The Adaptor shall be designed to meet EPS Requirement.

Average Efficiency ( 25%, 50%, 75%, 100% load condition) > 84% at both 115VAC/230VAC (Warm up after one hour).

OUTPUT CHARACTERISTICS

| Output Voltage | Load Range |       | Regulation (V) |
|----------------|------------|-------|----------------|
|                | MIN.       | MAX   |                |
| 19.0V          | 0A         | 1.58A | 18.05V ~       |

Ripple Noise  $\leq 380$  mVp-p (with spike noise)  
 Hold-up Time 5mS min with max load at 115Vac.  
 Turn-on Delay < 5 sec. for all line and load conditions.  
 (Measured from AC on point to the 90% point of the output voltage)

General SPEC.

OVP 29V MAX. Automatic shutdown. (Latch model)  
 SCP Output can be shorted without damage, and auto recovery.  
 OTP No Damage and shutdown. (Latch model)  
 OCP Output current limits in 4.5A MAX.  
 Leakage Current Ground leakage current shall be less than 100uA.  
 RFI/EMI FCC class B, CISPR 22 class B  
 MTBF (Calculation) 100Khrs at 25 degreeC at 110Vac/220Vac by MIL-HDBK-217E or other method.  
 Dimension 91.4x38.9x26.8mm

ENVIRONMENTAL SPEC.

Operating Temperature 0~40°C  
 Storage Temperature -31~60°C