

Серия ARS-250-XX 12V и 24V

FEATURES:

PROTECTIONS: SHORT CIRCUIT, OVER LOAD
FIXED SWITCHING FREQUENCY AT 50KHZ
FREE AIR COOLING CONVECTION
100% FULL LOAD HIGH TEMPERATURE BURN-IN TEST



PARAMETERS:

1. INPUT PARAMETER
 - 1.1 AC input voltage range : 176~264VAC
 - 1.2 AC input voltage frequency : 47~63Hz
 - 1.3 AC input current : 2.5A/230VAC
 - 1.4 AC inrush current : Cold start, 35A/230VAC
 - 1.5 Efficiency : 82%
 - 1.7 Leakage current : $\leq 3.5\text{mA}/240\text{VAC}$
2. OUTPUT PARAMETER
 - 2.1 DC output voltage : 24V
 - 2.2 DC output rated current : 10A
 - 2.3 DC output current range : 0~10A
 - 2.4 DC output rated power : 240W
 - 2.5 Ripple & Noise (max) : 240mVp-p(Refer to the Test Method of R&N)
 - 2.6 DC output voltage adjustment range (min) : 21.6~26.4V
 - 2.7 DC output voltage tolerance : 23.8~24.2V
 - 2.8 DC output line regulation : $\pm 0.5\%$
 - 2.9 DC output load regulation : $\pm 0.5\%$
 - 2.10 Power setup time : 500ms/230VAC rated load
 - 2.11 Power rise time : 50ms/230VAC rated load
 - 2.12 Power hold time : 20ms/230VAC rated load
3. PROTECTION
 - 3.1 Over Load : 110%~140% shut off. AC recycle to re-start
 - 3.2 Short Circuit : Shut off , AC recycle to re-start
4. WORKING ENVIRONMENT
 - 4.1 Working temperature range : -10°C to 40 °C, 60°C@60% load
 - 4.2 Working humidity range : 20~90%RH
 - 4.3 Storage temperature range : -20°C ~ +85°C
 - 4.4 Storage humidity range : 10~95%RH
 - 4.5 Temperature coefficient : $\pm 0.03\%/^{\circ}\text{C}$ (0 ~ 50°C)
 - 4.6 Vibration : 10~500Hz , 2G , 10min/cycle , 60min, each along X, Y, Z
5. SAFETY
 - 5.1 Safety standards : Design refer to GB4943,UL 60950-1,EN60950-1
 - 5.2 Withstand voltage : I/P-O/P, I/P-FG:1.5KVAC O/P-FG : 0.5KVAC
 - 5.3 Isolation resistance : I/P-O/P, I/P-FG, O/P-FG : 100M Ω /500VDC
6. OTHERS
 - 6.1 MTBF : 100 , 000 HOURS MIN, MIL-HDBK-217F(25°C)
 - 6.2 DIMENSION : 230*118*60 (L*W*H)
 - 6.3 CONNECTION : 9P/9.5MM PITCH TERMINAL BLOCK
 - 6.4 WEIGHT : 1.2KG/PC

Model	DC output	Load regul.	R&N	Efficiency
ARS-250-12	12V, 20A	1%	120mV	82%
ARS-250-24	24V, 10.5A	1%	200mV	84%