

## ARS-1000-24 (24V, 42A, 1000W)



### FEATURES:

- Protections: Short circuit, Over Load, Over Voltage
- Fixed switching frequency at 50KHz
- Forced Air Cooling By Built-in DC Fan
- 100% full load High Temperature burn-in test

### PARAMETERS:

Input parameter	
AC input voltage range	176 ~ 264V AC
AC input voltage frequency	47 ~ 63Hz
AC input current	10.0A/230V
AC inrush current	Cold start, 50A/230VAC
Efficiency	85%
Leakage current	≤3.5mA/240VAC
Output parameter	
DC output voltage	24V
DC output rated current	42A
DC output current range	0~42A
DC output rated power	1000W
Ripple & Noise (max)	200mVp-p (Refer to the Test Method of R&N)
DC output voltage range	21.6~26.4V
DC output line regulation	±1%
DC output load regulation	±0.5%
Power setup time	≤2000mS/rated load
Power rise time	≤50mS/ rated load
Power hold time	≥20mS/rated load
Protection	
Over Load	110%~135% Shut off, AC recycle to re-start
Over Voltage	115%-150% rated output voltage
Short Circuit	Shut off, AC recycle to re-start
Working environment	
Working temperature range	-10°C to 40°C @100%, 60°C @60% load
Working humidity range	20~90%RH
Storage temperature range	-20°C ~ +85°C
Storage humidity range	10~95%RH
Temperature coefficient	±0.03%/°C (0 ~ 50°C)
Vibration	10~500Hz, 2G, 10min/cycle, 60min, each along X, Y, Z axes

<b>Safety &amp; EMC</b>	
Safety standards	Design refer to UL60950-1
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100MΩ/500VDC
EMC	Design refer to EN55022, Class A
<b>Others</b>	
MTBF	100 000 hours min, MIL-HDBK-217F(25°C)
Dimension	291*133*68 (L*W*H)
Weight	2.5Kg/pcs
Packing	6pcs/Carton, 15kgs