



Features

- AC input range selectable by switch
- PROTECTION : Shortcircuit, Overvoltage & Overload
- Forced air cooling by build-in DC fan
- 100% full load burn-in test
- CE Marked on all models
- 1 Year Warranty

INPUT SPECIFICATION

Voltage Range	100-120VAC 200-240VDC
Frequency Range	47 - 63Hz
Efficiency	S-1000-24: 85.5% S-1000-48: 87%
AC Current (typ.)	13A/ 115 VAC; 8.0A/ 230 VAC
Inrush Current (typ.)	60A / 230VAC (for cold start at 25°C)
Leakage Current	<3.5mA / 240VAC

OUTPUT SPECIFICATION

Rated Current	S-1000-24 : 42A S-1000-48 : 20A
Rated Power	1000Watts
Voltage ADJ. Range	±10% (with V.ADJ)
Voltage Tolerance	±1%
Ripple & Noise(max)	S-1000-24: 240mVp-p S-1000-48: 300mVp-p
Setup Time	1.5ms / 230VAC at full load
Rise Time	50ms / 230VAC at full load
Hold Time(Typ.)	20ms / 230VAC at full load

PROTECTION

Overload	110% to 135% rated load current Protection Type : Fold back current limiting, recovers automatically after fault condition is removed
Overvoltage	Protection Type : Hiccup mode, recover automatically after fault condition is removed
Fan Control, O.T.P	RTH1 or RTH250°C FAN ON, 45°C Fan, 70°C output shut down
Temp. Coefficient	±0.03%/°C(0~50°C)

ENVIRONMENT

Temperature	Working : -20°C to +60°C (derating is required according to temperature) Storage : -40°C to +85°C (with no icing or condensation)
Humidity	Working : 20% to 90% RH Storage : 10% to 95% RH
Vibration Resistance	10 to 500Hz, 10min/1cycle (2G) for 60min each in X, Y, Z directions

STANDARDS

Safety Standards	Meet the UL1950
EMC Standards	EN55022, IEC1000-42, 3, 4, 5, 6, 8, 11 IEC100-3-2

SECURITY

Isolation Resistance	I/P and O/P ; I/P and FG ; O/P and FG : 100MΩ at 500VDC, 25°C, 70% RH
Withstand Voltage	Between I/P and O/P : 1.5kVAC for 1 min Between I/P and F.G : 1.5kVAC for 1 min Between O/P and F.G : 0.5kVAC for 1 min

OTHER SPECIFICATION

Weight	2.65Kgs
Dimension (L*W*H)	291*132*68mm

ORDER CODE

MODEL	VOLTAGE	CURRENT
S-1000-24	24VDC	42A
S-1000-48	48VDC	20A

DIMENSIONS

