



**Features**

- AC input range selectable by switch
- PROTECTION : Short-circuit, Over voltage & Overload
- Compact, Low Cost & High Reliability
- 100% Full Load Burn-in test
- LED Indicator for Power on
- Cooling by free air convection
- CE Marked on all models
- 1 Year Warranty



**INPUT SPECIFICATION**

Voltage Range	100 - 120VAC / 200-240VAC (By Switch) 254 - 373VDC
Frequency Range	47 - 63Hz
Efficiency	MS-100-5 : 80%
AC Current (typ.)	2.4A / 115VAC ; 1.2A / 230VAC
Inrush Current (typ.)	30A / 230VAC (for cold start at 25°C)
Leakage Current	<3.5mA / 240VAC

**OUTPUT SPECIFICATION**

Rated Current	MS-100-5 : 20.0A
Rated Power	100Watts
Voltage ADJ. Range	±10% (with V.ADJ)
Voltage Tolerance	±1%
Ripple & Noise(max)	100mVp-p
Setup Time	500ms / 230VAC, 800ms / 115VAC at full load
Rise Time	20ms / 230VAC, 30ms / 115VAC at full load
Hold Time(Typ.)	24ms / 230VAC, 20ms / 115VAC at full load

**PROTECTION**

Overload	105% to 150% rated load current Protection Type : Hiccup mode, recovers automatically after fault condition is removed
Overvoltage	Protection Type : Shutdown output voltage, re-power on to recover

**ENVIRONMENT**

Temperature	Working : -10°C to +60°C (derating is required according to temperature) Storage : -20°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 UL1012 requirement
EMC Standards	Meet the EN55022 CLASS A Equipment

**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	0.55kg
Dimension (L*W*H)	159*98*38 mm

**ORDER CODE**

MODEL	VOLTAGE	CURRENT
MS-100-5	5VDC	20.0A

**DIMENSIONS**

**MS-100**

**Terminal Pin No. Assignment**

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG
4,5	DC OUTPUT -V
6,7	DC OUTPUT +V

**Dimension**

PARAMETER	VALUE
Length	159mm
Breadth	98mm
Height	38mm
Weight	0.46kg

