# SWITCH MODE POWER SUPPLY



#### Features

- AC Input Range Selectable By Switch
- PROTECTION : Short-circuit, Over voltage & Overload
- 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

# CE

#### INPUT SPECIFICATION

Voltage Range	200-240VAC
Frequency Range	47 - 63Hz
Efficiency	S-200-5 : 76% S-200-24 : 82%
AC Current (typ.)	4.5A / 115VAC 2.5A / 230VAC
Inrush Current (typ.)	50A / 115VAC 50A / 230VAC (for cold start at 25°C)
Leakage Current	<3.5mA / 240VAC

#### **OUTPUT SPECIFICATION**

S-200-5 : 40.0A S-200-24 : 8.3A
200Watts
±10% (with V.ADJ)
±1%
S-200-5 : 150mVp-p S-200-24 : 150mVp-p
200ms / 230VAC at full load
100ms / 230VAC at full load
20ms / 230VAC at full load

#### PROTECTION

Overload	115% to 135% rated load current Protection Type : Fold back current limiting, recovers automatically after fault condition is removed
Overvoltage	115% to 135% rated load current
	Protection Type : Shutdown output voltage,
	re-power on to recover

**ENVIRONMENT** 

Temperature	Working : -10°C to +50°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 UL1950
EMC Standards	Meet the FCC PAF

Meet the UL1950 Meet the FCC PART15J 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
Dielectric Strength	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

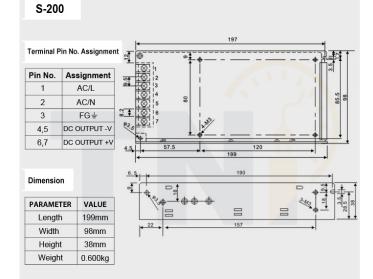
#### **OTHER SPECIFICATION**

Weight	0.6kg
Dimension (L*W*H)	199*9

V*H)	199*98*38 mm	

ORDER CODE		
MODEL	VOLTAGE	CURRENT
S-200-5	5VDC	40.0A
S-200-24	24VDC	8.3A

#### DIMENSIONS



## **S200**

### E-mail: sales@tnicontrols.com | Tel: +91-8080654441

## www.tnicontrols.com