# **S500**

# **SWITCH MODE POWER SUPPLY**



#### 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
- PMW controls and regulated
- Build-in cooling Fan ON-OFF controls
- CE Marked on all models
- 1 Year Warranty

### INPUT SPECIFICATION

## 

Valtaga Danga	100-120 VAC
Voltage Range	200-240 VAC
Frequency Range	50 - 60Hz
	S-500-12 : 84%
Efficiency	S-500-24 : 86%
	S-500-48 : 88%
AC Current (typ.)	7A / 115VAC ; 3.5A / 230VAC
Inrush Current (typ.)	18A / 115VAC ; 36A / 230VAC (for cold start at 25°C)
Leakage Current	<3.5mA / 240VAC

### **OUTPUT SPECIFICATION**

### PROTECTION

Overload	105% 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, TUV EN60950-1
EMC Standards	Meet the EN55022 CLASS B Equipment

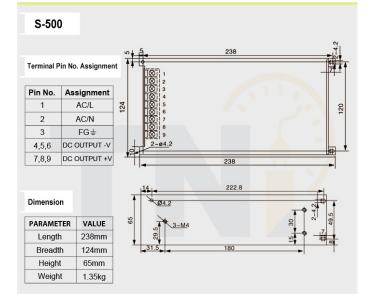
### SECURITY

### **OTHER SPECIFICATION**

Weight	1.35kg
Dimension (L*W*H)	238*124*65 mm

ORDER CODE		
MODEL	VOLTAGE	CURRENT
S-500-12	12VDC	41A
S-500-24	24VDC	20A
S-500-48	48VDC	10A

## DIMENSIONS



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

## www.tnicontrols.com