

# STC-12500

# ATX / PS2

# 500W

Country of Origin : Taiwan  
Operating Temperature : 0 ~ 60° C  
Dimension : 150 x 170 x 86 mm



### Features:

12VDC Input ( 9VDC ~ 18VDC )

Overload, over voltage & short circuit protection / Input wrong polarity protection (optional) / Over temperature protection (optional)

Input and Output isolation

For PC, Telecom, marine, aerospace and RV-car applications

1 year warranty

### Specification:

		V1	V2	V3	V5	V6	
OUTPUT	Voltage	+3.3V	+5V	+12V	-12V	+5V <sub>SB</sub>	
	Min. Load	0A	1.5A	0.2A	0A	0A	
	Max. Load	35A	60A	35A	1A	3.5A	
	Load Tolerance	±3%	±3%	±3%	±8%	±5%	
	Line Tolerance	±1%	±1%	±1%	±1%	±1%	
	Ripple & Noise	50mV	50mV	120mV	120mV	50mV	
Efficiency (min.)	9VDC input & full load : 68% / 12VDC input & full load : 70% / 18VDC input & full load : 75%						
Max. Output Power	Total	500W (continuous)					
	+3.3V & +5V	300W					
INPUT	Voltage	9 ~ 18VDC (12VDC typ.) Not Protect					
	Current	max. 50A @ 9VDC and full load					
	Inrush Current	Less than 10A, cold start @ 25°C ambient					
PROTECTION	Overload	>130% ±10% of max. output power, Shutdown & latch off					
	Over Voltage	+3.3V, +5V, +12V Auto Shutdown					
	Short Circuit	All outputs equipped with SCP (Shutdown and latch off)					
	Over Temperature	(Optional) set at > 110°C					
	Cooling	Forced Air-cooling (80x80x25mm) Two Ball Bearing mode					
Environment	Temperature	Operating : 0 ~ 60°C / Storage : -20 ~ 80°C					
	Humidity	Operating : 20 ~ 85% RH / Storage : 10 ~ 90% RH ( non condensing )					
	Altitude	10M Below Sea level and 3000M Above Sea level					
Connection	Input	UL Approved Gold Plate Brass 1.2t/3+3-Pin Terminal					
	Output	ATX (24pin), P4 power (4pin), Process EPS 8 pin, FDD x4, HDD x8, Serial ATX x2					
M.T.B.F.	> 50K hours @ full load , 12VDC input & 25°C ambient						
SAFETY	meets: UL 60950 / TÜV EN60950						
EMC	EMI	EN55022 Class B / FCC Class B					
	EMS	EN61000-4-2,3,4					
WEIGHT	N.W.: 2.7 kg						

Specifications subject to change without notice