

# TRIATHLOR FC Power Supply Series

Your satisfaction, Our priority.



550W / 650W / 700W

**TRIATHLOR**  
**FC**  
RELIABILITY SILENCE SAFETY



## FEATURES

### ATX12V v2.31 ready!

Compliant with the newest standard for desktop power supplies.

### 82PLUS ready!

82-88% efficiency @ 20-100% load. Compliant with 80 PLUS® BRONZE efficiency requirements.

### Stability ready!

DC to DC converter design lowers energy loss for higher efficiency and better dynamic response and cross regulation.  
12V Synchronous Rectifier design for higher efficiency and greater power density.

### Zero Load Design

Stable voltage output even at 0W load, that supports the energy-saving functions of modern CPU and graphics cards (C6 State/Hybrid Mode) and prevents compatibility issues.

### T.B. Silence fan inside!

Integrated T.B. Silence 12cm fan with patented Twister Bearing to reduce the noise and prolong lifetime.

### ErP Lot 6 2013 ready!

Help system to meet ErP Lot 6 2013 (<0.5W at standby mode) with high efficiency +5Vsb circuitry. \*

\* With ErP Lot 6 2013 enabled motherboard

### Future ready!

12P flexible modular cables for possibly upcoming new CPU and GPU 10P and/or 12P connectors.

### WORLD ready!

100-240VAC in with automatic adjustment and active PFC for global usage.

### SpeedGuard

Advanced fuzzy logic 12cm fan speed control for optimal cooling and minimum noise. (Patented)

### AirGuard

Unique air-inlet with optimal aero-dynamical design reducing noisy air turbulences.

### SafeGuard

Industry-leading protection circuitry of OCP, OVP, DC UVP, OPP, OTP, SCP & SIP.

### Multiple 12V rails!

Multiple high current +12V rails design for maximum safety and compatibility.

### Power Up ready!

98% 12V output to support high performance CPU & graphics card requirement.

### 100% Japanese Electrolytic Capacitors

Highest components standards for maximum durability and stability.

### DXXI ready!

100% 6+2P (8P) PCI-E connector to support new generation DXXI graphics cards.

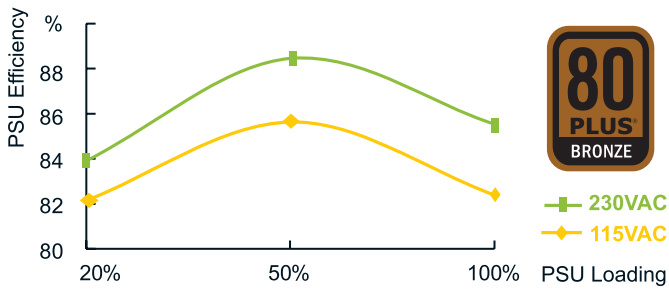
### 24/7 @ 40°C ready!

Non-Stop industrial class performance at 40°C/104°F ambient.



## 82PLUS ready

Leading efficiency standard & ECO design, certified.



## Flat modular cables

Flexible cable management with black flat modular cables



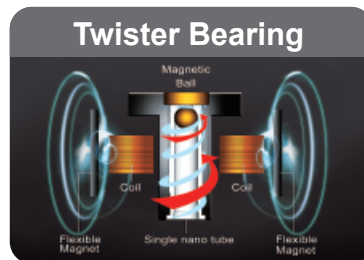
## T.B.Silence fan inside!

Integrated T.B.Silence 12cm fan with patented Twister Bearing to reduce the noise and prolong the lifetime

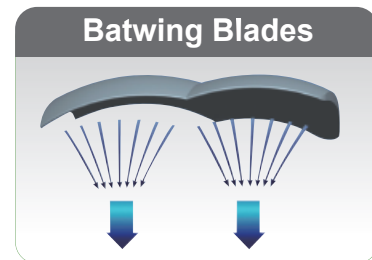
T.B.SILENCE



12cm Silent Fan



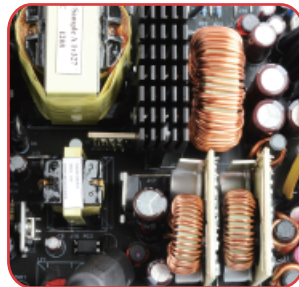
Lower noise & Longer life



More Airflow

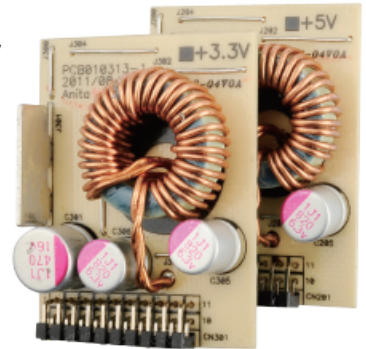
## 100% Japanese Electrolytic Capacitors

For maximum durability and stability.



## Stability ready!

DC to DC converter design lowers energy loss for higher efficiency and better dynamic response and cross regulation.



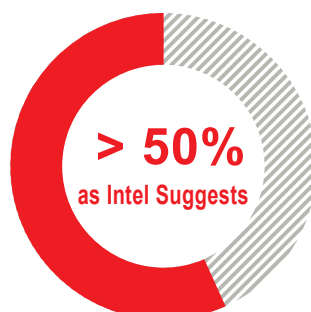
## ErP Lot 6 2013 ready!

Advanced +5Vsb circuitry with up to 20% improved efficiency in comparison to generic designs helps your system meet ErP Lot 6 2013 (AC < 0.5W at standby) requirement.

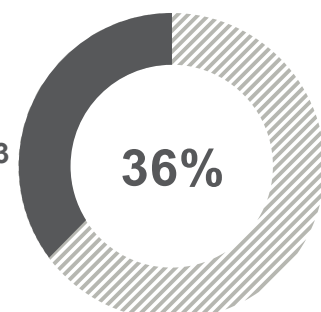
\*With ErP Lot 6 enabled motherboard.

PSU +5Vsb efficiency @ 0.045A load, 230VAC

ENERMAX ErP Lot 6 2013 Compliant PSU



Non ErP Lot 6 2013 Compliant PSU



## SPECIFICATIONS









Model Name	ETA550AWT-M		ETA650AWT-M		ETA700AWT-M	
AC Input Rating						
Input Voltage	100-240VAC, 50-60Hz, Active PFC (max. range 90-265 VAC)					
Input Current	7.5 - 3A		8.3 - 3.2A		9 - 3.5A	
DC Output Rating						
+3.3V	24A	120W	24A	140W	24A	140W
+5V	24A		24A		24A	
+12V1	25A	540W (45A)	30A	648W (54A)	30A	696W (58A)
+12V2	25A		30A		30A	
-12V	0.5A	6W	0.5A	6W	0.5A	6W
+5Vsb	2.5A	12.5W	2.5A	12.5W	2.5A	12.5W
Total Power	550W		650W		700W	
Peak Power	600W		715W		770W	

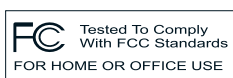
\* Peak power may last up to 60 seconds

## CABLES & CONNECTORS

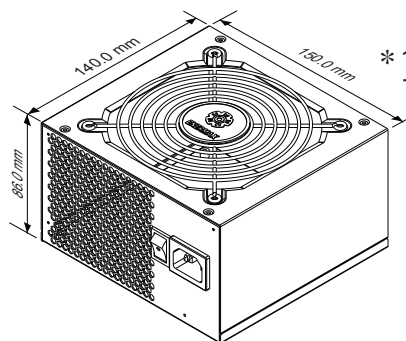


Model	 Mainboard	 +12V CPU	 6+2P (8P) PCI-E	 SATA	 4P Molex	 FDD
ETA550AWT-M	20+4P (55cm)	4+4P (60cm)	3	6	5	1
ETA650AWT-M	20+4P (55cm)	4+4P (60cm)	4	9	5	1
ETA700AWT-M	20+4P (55cm)	4+4P (60cm)	4	9	5	1

## CERTIFICATIONS & STANDARDS



## DIMENSIONS



\* 1 x 12cm T.B. Silence  
Twister Bearing fan



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