

POWER SUPPLY
***REVOLUTION* D.F**



- 80 PLUS® Gold certification
- D.F. Switch - activates DFR™ function during operation
- Smart Airflow Control (SAC) design ensures almost inaudible operation
- Full modular design with 100% flat cables

REVOLUTION D.F. is a full modular 80 PLUS® Gold certified PSU series with the patented DFR™ (Dust Free Rotation) technology, preventing dust accumulation and granting a cleaner and long lasting PSU. The D.F. Switch design offers an on button activation of the DFR™ mode at any time. The choice to use only 100% Japanese 105°C electrolytic capacitors ensures the high build quality and a longlasting product. Based on an advanced DC-to-DC circuit the power supply is capable of delivering a perfect voltage regulation and very stable power output. The built-in SAC (Smart Airflow Control) design keeps the PSU fan spinning at 400 RPM upto 70% load for a almost inaudible operation. REVOLUTION D.F. is designed for high-performance gaming systems requiring high standards in quality and performance.

**650W/750W/850W**

Twister Bearing Fan



D.F. Switch



Electrolytic Capacitors



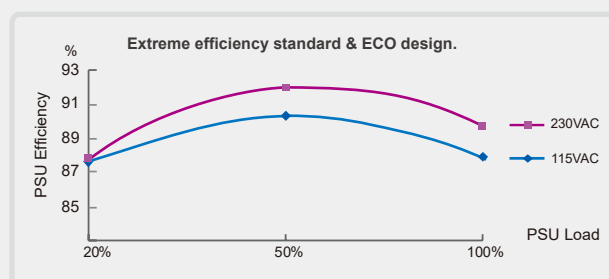
Full Modular



Features

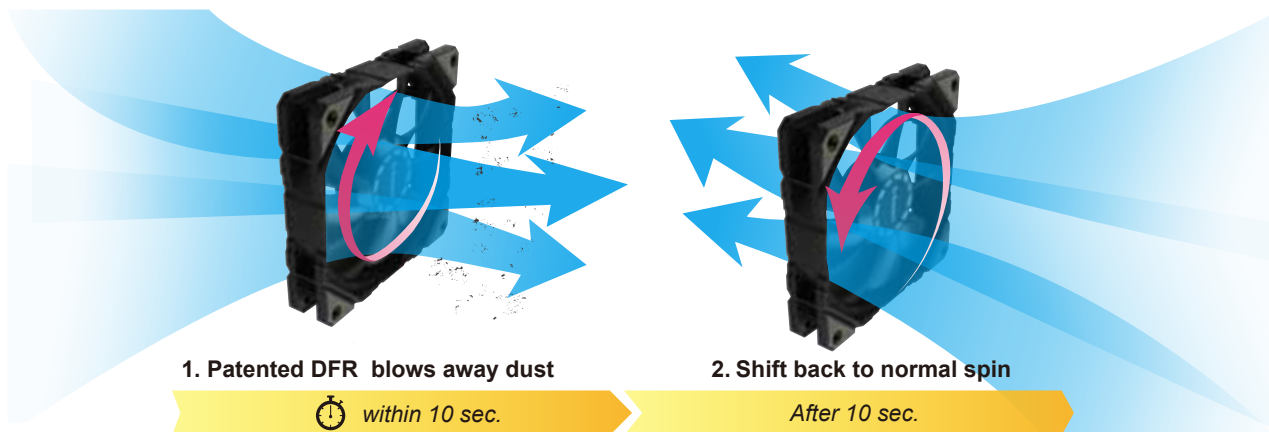
80 PLUS® Gold certified

87-92% high efficiency performance @
20-100% load



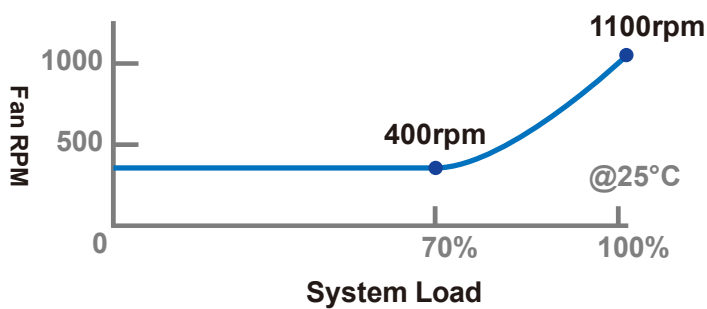
Dust Free Rotation Technology (patented)

Dust Free Rotation technology enables the fan to instantly blow away dust to prolong the lifespan



▼ D.F. Switch

The D.F. Switch design allows to activate the DFR self-cleaning function at anytime during operation



▼ Smart Airflow Control (SAC) design

SAC design keeps PSU fan spinning at almost inaudible 400rpm within 70% system load to provide the optimal silent experience

▼ Twister Bearing fan (patented)

Twister Bearing Technology ensures ultra silent cooling and a long lifetime of the fan (160,000 hours MTBF)

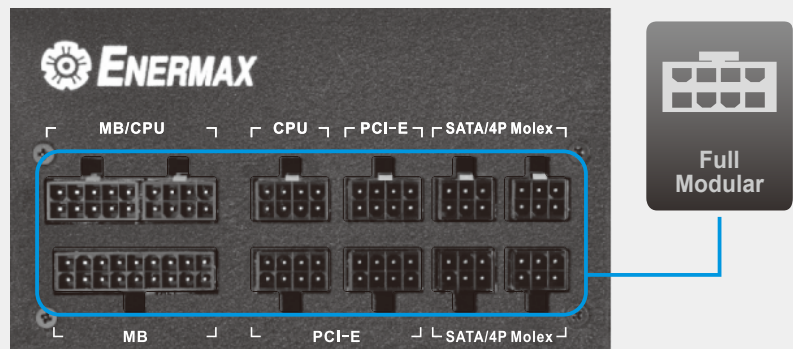


▼ 100% 105°C Japanese electrolytic capacitors

Highest component standards for maximum durability and stability

Full modular design

The full modular cable design facilitates system installation and cable management



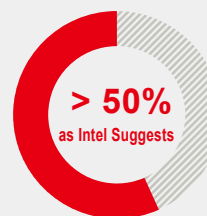
Zero load ready!

The DC to DC converter circuit ensures a stable output voltage and delivers high efficiency

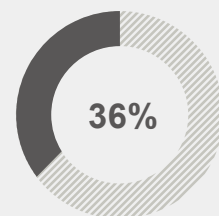
2013 ErP Lot 6 ready

Helps systems to meet 2013 ErP Lot 6 (< 0.5W in standby mode) with a high efficiency +5Vsb circuitry. (Only with 2013 ErP Lot 6 enabled motherboard)

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



ENERMAX 2013 ErP
Lot 6 Compliant PSU



Non 2013 ErP Lot 6
Compliant PSU

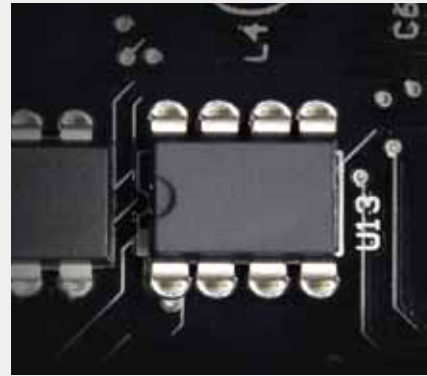


Worldwide Compatibility

100-240VAC auto-adjustment input for worldwide use. Active PFC with PF value up to 0.99, reducing the reactive power loss to the minimum

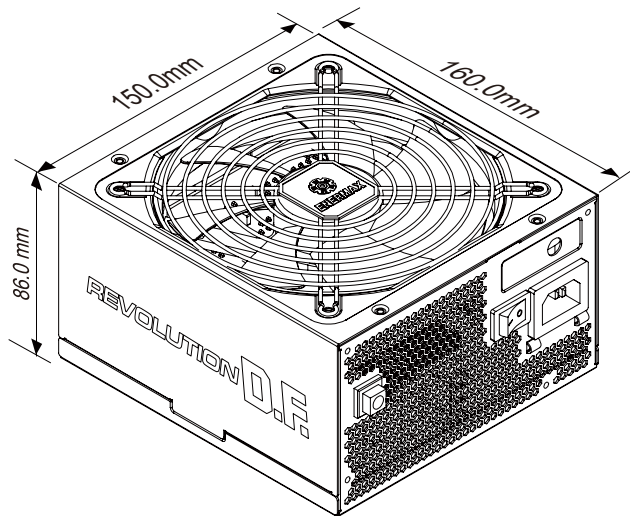
SafeGuard

Multiple protection circuitry with OCP, OVP, UVP, SCP, OPP and OTP keeping your system safe from damage

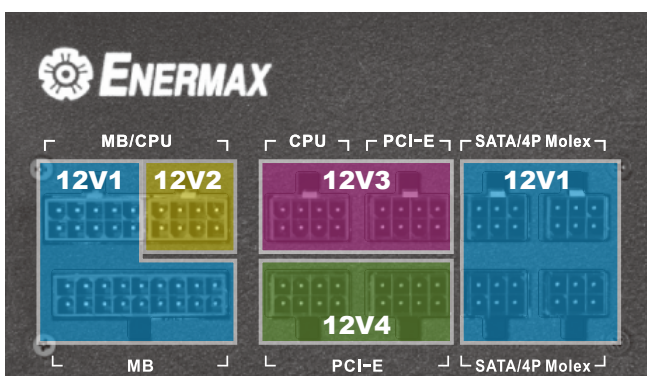


Dimension

Unit: mm









12V Rails Distribution



This product is equipped with several 12V rails with overcurrent protection. If you have many peripherals powered on only one 12V rail, this may trigger the overcurrent protection and shut down the system. If you have many peripherals powered on only one 12V rail, this may trigger the overcurrent protection and shut down the system. Please distribute the power cables of the peripheral devices to another 12V rail to divide the current load and ensure maximum stability and safety.

Cables & Connectors

Model	Connectors					
						
	24P MB	4+4P (8P) CPU	6+2P (8P) PCI-E	SATA	4P Molex	FDD (adapter)
	60cm	70cm	50/15cm	45/15/15/15cm	45/15/15/15cm	10cm
ERF650AWT	1	1	4	8	4	1
ERF750EWT	1	2	4	8	4	1
ERF850EWT	1	2	6	12	4	1

Specifications

Model Number	ERF650AWT		ERF750EWT		ERF850EWT	
AC Input Voltage	100-240VAC, 47-63Hz				100-240VAC, 47-63Hz	200 -240VAC, 47-63HZ
AC Input Current	10A		10A		12A	6A
	DC Output					
	Rated	Combined	Rated	Combined	Rated	Combined
+3.3V	20A	100W	22A	120W	22A	120W
+5V	20A		22A		22A	
+12V1	25A	650W	25A	750W	25A	850W
+12V2	25A		25A		25A	
+12V3	30A		35A		40A	
+12V4	30A		35A		40A	
-12V	0.3A	3.6W	0.3A	3.6W	0.3A	3.6W
+5Vsb	2.5A	12.5W	2.5A	12.5W	2.5A	12.5W
Total power	650W		750W		850W	
Dimensions	150(W)*86(H)*160(D) mm					



Shipping Information

Model		ERF650AWT	ERF750EWT	ERF850EWT
Bar Code	EAN	4713157723949	4713157723956	4713157723963
	UPC	819315023945	819315023952	819315023969
Box Dimensions		248 x 233 x 96.5mm		
Gross Weight / unit		2.67 kg	2.8 kg	3 kg
Carton Dimensions		500 x 280 x 330mm		
Q'ty / carton		6		
Gross Weight / carton		17.02 kg	17.8 kg	19 kg