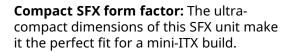# SMALL BUT MIGHTY

Welcome to the world of the V SFX Gold, a small but mighty PSU. The V SFX Gold has one of the highest power densities available today Additionally with an included ATX compatibility bracket, the V SFX Gold can support a PC of any size.

The V SFX Gold also features ATX 3.0 support, a durable 12VHPWR cable, 80 Plus Gold efficiency, fully modular cables, an FDB fan, 16AWG PCIe high-efficiency cables, and a 10-year warranty. Deliver compact, mighty power to your build with the V SFX Gold.

V SFX Gold 850 ATX 3.0

Compact SFX form factor: The ultra-compact dimensions of this SFX unit make it the perfect fit for a mini-ITX build.

High power density: With 160% greater power density than the V Gold 850 V2, this is one of the highest power densities in the industry.

Flexible compatibility: An included bracket ensures compatibility with both ITX and ATX cases.

80 Plus Gold efficiency certification: This unit is certified to achieve more than 90% efficiency at typical loads.

ATX 3.0 support & a durable 12VHPWR cable: Includes ATX 3.0 support and a 90-degree 12+4pin (12VHPWR) PCIe 5.0 cable featuring lower temperatures, enhanced durability, and improved safety.

Fully modular cabling: Efficiently reduces clutter, increases airflow, and improves overall efficiency and thermal performance.

High-quality Japanese capacitors: High-quality Japanese capacitors feature reduced ripple noise and enhanced reliability.

10-year warranty: This unit comes with a standard limited manufacturing warranty of 10 years from the date of purchase.

FEATURE HIGHLIGHTS

Compact SFX form factor

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High power density

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80 Plus Gold efficiency certification

This unit is certified to achieve more than 90% efficiency at typical loads.

Flexible compatibility

An included bracket ensures compatibility with both ITX and ATX cases.

Silent and smart performance

Zero-RPM default mode below 40% loads.

A durable 12VHPWR cable

An advanced thermal structure and flexible cable provide improved safety.

SPECIFICATIONS

Product Name	V SFX Gold 850 ATX3.0
Item Code	MPY-8501-SFHAGV
ATX Version	ATX3.0 & SFX 12V Ver. 3.42
PFC	Active PFC
Input Voltage	100-240V
Input Current	12-6A
Input Frequency	50-60Hz
Dimensions (L x W x H)	100 x 125 x 63.5mm
Fan Size	92mm
Fan Bearing	FDB
Efficiency	90% @ Typical Load
80 PLUS Rating	80 PLUS Gold
ErP 2014 Lot 3	Yes
Operating Temperature	0~50°C
Power Good Signal	100-500ms
Hold Up Time	16ms
MTBF	>100,000 hours
Protections	OVP / OPP / SCP / OCP / UVP / OTP / Surge and Inrush Protection
Regulatory	TUV, cTUVus, CE, BSMI, FCC, CCC, EAC, RCM, CB, UKCA

Connectors	ATX 24 Pin	x1 = 1x (300mm)
	EPS 4+4 Pin	x1 = 1x (450mm)
	EPS 8 Pin	x1 = 1x (450mm)
	SATA	x8 = 2x (100+115+115+115mm)
	Peripheral 4 Pin	x4 = 1x (100+115+115+115mm)
	PCI-e 6+2 Pin	x4 = 2x (400+120mm)
	12VHPWR	x1 = 1x (400mm)
Package Content (Asscessories)	Cable bag	x1
	Power cord	x1
	Zip ties	x7
	Velcro	x3
	Screw bag	x1
	ATX-ITX adapter bracket	x1
	Manual – User Guide	x1
	Cable Recommended Installation Guide	x1

AC INPUT	100-240V~, 12 – 6A, 50 - 60Hz				
DC OUTPUT	+3.3V	+5V	+12V	-12V	+5Vstb
	20A	20A	70.8A	0.3A	3A
TOTAL POWER	120W		849.6W	3.6W	15W
	850W				

PACKING INFORMATION

Cable Type	EAN	UPC
MPY-8501-SFHAGV-3US	4719512134702	884102107023
MPY-8501-SFHAGV-3UK	4719512134719	884102107030
MPY-8501-SFHAGV-3EU	4719512134726	884102107047
MPY-8501-SFHAGV-3ST	4719512134733	884102107054
MPY-8501-SFHAGV-3AU	4719512134740	884102107061
MPY-8501-SFHAGV-3BR	4719512134757	884102107078
MPY-8501-SFHAGV-3KR	4719512134764	884102107085
MPY-8501-SFHAGV-3TW	4719512134771	884102107092
MPY-8501-SFHAGV-3JP	4719512134788	884102107108
MPY-8501-SFHAGV-3IN	4719512134795	884102107115
MPY-8501-SFHAGV-3WO	4719512134801	884102107122

Net Weight	1.42 kg
Gross Weight	1.86 kg
Package Dimensions	260 x 190 x 100mm (10.24 x 7.48 x 3.94")
Carton Dimensions	520 x 275 x 215mm (20.47 x 10.83 x 8.46")
Unit / Carton	5 pcs
Carton / Pallet	24 pcs