

VEG120 Series

120 Watt

Single Output Desktop Power Supply

Features:

- * Universal AC Input (90-264VAC / 47-63 Hz)
- * Active Power Factor Correction for 0,98PF @ 120 VAC
- * Energy Star / CEC Level V Compliance
- * No load power Consumption less than 0.5 Watts
- * Small 6.67 x 2.56 x 1.46" Desktop Package
- * Plastic (UL 94V-0 Rated) Enclosure
- * IEC-320 C6 / C14 AC Inlet Options
- * Class I Safety Approvals
- * UL / cUL 60950-1, CB IEC60950-1 Safety Approvals
- * EN55022 class B, FCC PART 15 class B Emissions
- * 2 Year Warranty



Input Specifications:

Input Range	Universal VAC (90-264 VAC)
Input Frequency	47-63 Hz or DC
Inrush Current	less than 100A @ 230VAC (cold start)
Input Current	3.16Arms max.
Efficiency	89%
Hold-up Time	8ms minimum (full load)
Leakage Current	<3500µA maximum @ 240 VAC
Harmonics	EN61000-3-2 Class D (PF=0.98@230VAC)

Environmental Specifications:

Operating Temp	0 ~40°C (De-Rate 5%/°C Rise up to 50°C)
Storage Temp	-20 ~ +85°C
Cooling	Convection Cooled
Humidity	20-90%RH (non-condensing)
Vibration	10-500Hz, 2G, 10min period/60 min each (3axes)
Shock	20G Peak Acceleration
Reliability	50k hours MTBF (MIL-HDBK-217F)

Output Specifications:

Adjustment Range	Fixed At Factory
Minimum Load	None
Regulation	±1% Line / ±2-5% Load
Ripple / Noise	280-360mv pk-pk max (20MHz)
Set-Point Accuracy	±1%
Short Circuit Protection	Continuous
Over Load Protection	<200%, hiccup mode
Over Voltage Protection	<150% shutdown, recycle AC to reset

Safety / Emissions

Standards	UL/cUL60950-1 CB Report IEC60950-1 CE Mark (LVD)
	EN55022 class B, FCC PART 15 class B Emissions

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Output Table:

Model Number	Watts	Output	CEC Level	DC Cable	Efficiency
VEG120x-190-AA	120W	19V / 6.32A	5	AWG16x6FT	89%
VEG120x-240-AA	120W	24V / 5.00A	5	AWG16x6FT	89%

Note:

- * "x" present input connector type, A=IEC320-C6 and C=IEC320-C14
- * Standard AC input connector is IEC320-C14, 3 prong.
- * All efficiency data are base on 115VAC and full load.
- * VEG120x-190-AA has no CB report.
- * Standard Output Connector is 5.5 x 2.1 x 11mm Barrel Jack (straight) with center hole positive.
- * Consult your salesperson to request other cable / connector option

Mechanical Specifications:

Construction: External Desktop

Weight: 1.2 lbs.

