

VEG90 Series

80-90 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 5.00 x 2.00 x 1.22" Desktop Package
- * Plastic (UL 94V-0 Rated) Enclosure with IEC-320 C6 AC Inlet
- * Class II Safety Approvals (No Ground Required)
- * UL / cUL 60950-1 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	1500mA @ 115 VAC / 1000mA @ 230VAC max
Efficiency	88%
Hold-up Time	20ms minimum (full load)
Leakage Current	<3500µA maximum @ 240 VAC
Harmonics	EN61000-3-2 Class D

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	10-90%RH (non-condensing)
Vibration	10-300Hz, 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	90-160mv pk-pk max (20MHz)
Set-Point Accuracy	±1%
Short Circuit Protection	Continuous
Over Load Protection	125-200%, hiccup mode
Over Voltage Protection	140-180% , shutdown, recycle input to reset

Safety / Emissions

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

Output Table:

VEG90 Series

Model Number	Watts	Output	CEC Level	DC Cable	Efficiency
VEG90A-190A-15	80W	15V / 5.33A	5	AWG16x6FT	88%
VEG90A-190A-16	80W	16V / 5.00A	5	AWG16x6FT	88%
VEG90A-190A-17	90W	17V / 5.29A	5	AWG16x6FT	88%
VEG90A-190A-18	90W	18V / 5.00A	5	AWG16x6FT	88%
VEG90A-190A-19	90W	19V / 4.74A	5	AWG16x6FT	88%
VEG90A-190A-20	90W	20V / 4.50A	5	AWG16x6FT	88%

Note:

- * Please specify output voltage when place orders.
- * The standard output setting at factory is 15V.
- * Standard Output Connector is 5.5 x 2.1 x 11mm Barrel Jack (straight) with center hole positive.
- * All efficiency data are base on 115VAC and full load.
- * Consult your salesperson to request other cable / connector option

Mechanical Specifications:

Construction: External Desktop

Weight: 0.82 lbs.

