

WI25 Series

25 Watts

Dual / Triple Output Universal Desktop Switcher

Features:

- * Universal AC Input (90-264 VAC / 47-63 Hz)
- * Small 3.94 x 2.56 x 1.59" Universal Desktop Package
- * Plastic (UL 94V-0 Rated) Enclosure
- * 100,000 hours MTBF (25°C Full Load Operation)
- * Class B Emissions
- * International Safety Approvals & CE Mark
- * 3 Year Warranty



Input Specifications:

Input Range	Universal VAC (90-264 VAC)
Input Frequency	47-63 Hz
Inrush Current	25A @ 115VAC / 50A @ 230VAC max (cold start)
Input Current	800mA @ 90 VAC / 375mA @ 200 VAC Maximum
Input Reflected Ripple	FCC 68 part 15 Class B
Efficiency	65% Typical assuming 120 VAC & 25°C Operation
Input Protection	Single Fused (4 Amp / 250 V)
Hold-up Time	Half Cycle Minimum @ 120 VAC and 80% load
Leakage Current	<750 μ A maximum @ 264 VAC
Harmonics	EN61000-3-2 Class D

Output Specifications:

Adjustment Range	Fixed at Factory
Minimum Load	See Output Table
Regulation	$\pm 5\%$ maximum (line, load & temperature)
Ripple / Noise	$\pm 1\%$ pk-pk max (20MHz)
Transient Response	+/- 5% Deviation / < 1msec recovery
Set-Point Accuracy	$\pm 2\%$
Short Circuit Protection	Continuous
Over Load Protection	125-150%, automatic recovery
Over Voltage Protection	120-150%, latched shutdown

Emissions Standards

FCC Part 15J, Part 2	Within Class B Limits
EN55022 / CISPR22	Within Class B Limits

Electromagnetic Compatibility:

Electrostatic Discharge	EN61000-4-2, ± 4 KV Contact / ± 8 KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ± 2 KV
Surges	EN61000-4-5, ± 2 KV Line-Earth, ± 1 KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15 - 800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% Reduction, 5s
Radiated Emissions	FCC 68 part 15 Class B
Conducted Emissions	FCC 68 part 15 Class B
Harmonic Current	EN61000-3-2 Class D
Fluctuations & Flicker	EN61000-3-3

Environmental Specifications:

Operating Temp	0-40°C Full Load (De-Rate 5% per °C rise to +50°C)
Storage Temp	-20 ~ +85°C
Cooling	Convection cooled operation
Temp Co-Efficient	0.05% per degrees celsius
Humidity	5 to 95% RH Non-Condensing
Vibration	3 Axes 1 Oct/min, 5 min at 4 Res. 0.75G Pk, 5-500Hz
Shock	20G Peak Acceleration
Reliability	>100k hours MTBF (Full Load and 25°C Operation)

International Safety Approvals

Standards	UL60950 (2nd Edition) File # E158470
	CSA 22.2 No. 234
	TUV EN60950
	CE Mark (LVD)

Output Table:

Model	V1	Io Min	Io Max	V2	Io Min	Io Max	V3	Io Min	Io Max
WI25-21	+5VDC	200ma	2500ma	+12VDC	50ma	1000ma	-	-	-
WI25-22	+5VDC	200ma	3000ma	+12VDC	50ma	500ma	-	-	-
WI25-23	+5VDC	200ma	1000ma	+12VDC	50ma	2000ma	-	-	-
WI25-24	+5VDC	200ma	2000ma	+15VDC	50ma	1000ma	-	-	-
WI25-25	+5VDC	200ma	2000ma	+24VDC	50ma	600ma	-	-	-
WI25-26	+5VDC	200ma	2000ma	-5VDC	50ma	2000ma	-	-	-
WI25-27	+5VDC	200ma	2500ma	+12VDC	50ma	1000ma	-	-	-
WI25-28	+12VDC	200ma	1000ma	+24VDC	50ma	500ma	-	-	-
WI25-29	+15VDC	200ma	800ma	-15VDC	50ma	800ma	-	-	-
WI25-31	+5VDC	200ma	3000ma	+12VDC	50ma	500ma	-5VDC	50ma	200ma
WI25-32	+5VDC	200ma	2000ma	+12VDC	100ma	1000ma	-12VDC	50ma	200ma
WI25-33	+5VDC	200ma	3000ma	+12VDC	50ma	500ma	-12VDC	50ma	200ma
WI25-34	+5VDC	200ma	2000ma	+12VDC	50ma	1000ma	-12VDC	50ma	200ma
WI25-35	+5VDC	200ma	2000ma	+15VDC	50ma	800ma	-5VDC	50ma	200ma
WI25-36	+5VDC	200ma	2000ma	+15VDC	50ma	800ma	-12VDC	50ma	200ma
WI25-37	+5VDC	200ma	2000ma	+24VDC	50ma	500ma	-5VDC	50ma	200ma
WI25-38	+5VDC	200ma	2000ma	+24VDC	50ma	500ma	-12VDC	50ma	200ma

Mechanical Specifications:

Construction: External Desktop

Weight: 0.903 lb / 0.410 kg

Output cable is 6 feet in length. The standard DC output plug is 5 pin mini din.

Additional output plugs available upon request, minimum quantities may apply.

AC Input Cord is not supplied.

