



Features:

- * Selectable AC Input
- * Low Leakage for Gaming Application
- * ATX12V 2.01 Compliant
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

150 x 140 x 85mm

Input

Input Voltage	Selectable (90-135 / 180-264 VAC)
Input Frequency	47-63Hz
Inrush Current	80A Max (Cold Start)
Input Current	8A @ 115 VAC / 4.5A @ 230 VAC Max
Hold-Up Time	16ms minimum
Harmonic Current	Harmonics: Comply with EN60555-2 @ 130W OUTPUT.

General

Efficiency	70% Typ.
Switching Frequency	30KHz Typical
Operating Temperature	0 to 45°C 100% Load
Storage Temperature	-20°C to +80°C
Cooling	Ball bearing fans for cooling
Temp Co-Efficient	0.0.5% per °C
Humidity	20-90% Non-Condensing

Output

Line Regulation	1% typ.
Load Regulation	See Output Table
Ripple & Noise	75mv for 3.3 & 5V / 150mv for 12V outputs
Overload Protection	>110-150% of rated load
OverVoltage Protection	+5V only (Triggers 5.6 ~ 6.2 VDC)
Transient Response	voltage returns < 1mS following a 25% load change
Power Good Signal	Open Collector TTL Compatible +5V / 500uA

EMC & Safety



Emissions EN55022 "A", FCC Class A

Safety Approvals UL/cUL60950-1
TUV EN60950-1
NEMKO 60950
CB IEC 60950
CE Mark (LVD)

Model Number

Output

Model Number	VDC	Min Load	Max Load	Load Regulation
ZKS-250WX-1	+3.3 V	0.3A	14A	5% (max)
	+5 V	1.0A	25A	3% (max)
	+12V1	0.4A	10A	5% (max)
	-5V	0A	0.5A	5% (max)
	-12V	0A	1A	10% (max)
	5VSB	0A	1.5A	5% (max)

Note:

- 1) Combined Load on +3.3V & +5.0V shall not exceed 125Watts.
- 2) Combined Load on +12V1 & +12V2 shall not exceed 420 Watts
- 3) Combined load of +3.3V, +5.0V, +12V1 & +12V2 shall not exceed 525.5 watts.
- 4) Total Output Power Not to exceed 550 Watts



All Advanced Power Solutions (APS) products will be RoHS compliant. Products that are compliant will bear the suffix "-LF" in their part number. APS will continue to ship non-RoHS product until all inventory has been consumed unless customer's have specifically ordered the parts with the "-LF" suffix.

