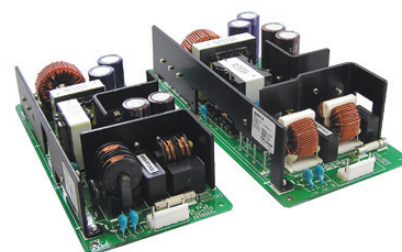




Single Output 150-240W Power Supplies



Features	Benefits
• 200% Peak power capability	• Can drive high current start up devices
• 30% smaller than previous generation	• Simplifies equipment design
• Operating temp. -10 to +70°C	• Improved system power optimisation
• 10 Year E-cap lifetime	• Superior reliability

Specification			
Model		ZWS150BP	ZWS240BP
ITEMS			
AC Input Voltage range (3)	-	85 - 265VAC (47-63Hz)	
DC Input Voltage range	-	120 - 370VDC	
Input Current (typical) (2)	A	1.9 / 0.95	2.8 / 1.5
Inrush Current (2)	A	15 / 30A - Cold Start	
Power Factor (Typical) (2) (4)	-	0.98 / 0.93	
Peak Power (5)	-	Conditions for Full Power : <5s Peak Power duration; duty = 35%	
Maximum Ripple and Noise (5)	mV	Tamb ≥ 0°C to ≤ 70°C : 24V: 150mV; 36V: 360mV; 48V: 480mV Tamb ≥ -10°C to < 0°C : 24V: 360mV; 36V: 540mV; 48V: 720mV	
Temperature Coefficient	-	<0.02% / °C	
Hold Up time (Typ) at 100VAC	ms	20ms	
Leakage Current (6)	-	0.2 / 0.4mA max.	
Remote Control	-	Option (see table next page)	
Operating Temperature (5)	-	all models are convection : -10°C to +50°C=100% load; +60°C=75% load ; +70°C : 150W models=50% load ; 240W models=30% load	
Storage Temperature	°C	-30 to +75°C	
Humidity (non condensing)	-	Operating: 30 - 90%RH, Storage: 10 - 90%RH	
Withstand Voltage	-	I/P to Grnd 2kVAC (10mA), I/P to O/P: 3kVAC (10mA), O/P to Grnd: 500VAC (20mA) for 1mn	
Isolation Resistance	Ω	>100MΩ at 25°C & 70%RH, Output to Grnd: 500VDC	
Vibration (non operating)	-	10 - 55Hz (1 minute sweep), 19.6m/s² constant X, Y, Z 1 hour	
Shock	-	<196.1 m/s	
Safety agency Certifications	-	IEC/EN/UL/CSA60950-1, IEC/EN/UL/CSA62368-1, EN50178-1 (OV II) and CE Mark	
Conducted & Radiated EMI	-	EN55011 / EN55022-B, FCC-B, VCCI-B	
Immunity	-	IEC61000-4-2 (lv 2, 3), -3 (lv 3), -4 (lv 3), -5 (lv 3, 4), -6 (lv 3), -8 (lv 4), -11	
Weight (Typ)	g	360	520
Size (W x H x D)	mm	75 x 37 x 160	84 x 42 x 180
Warranty	yrs	5	

Notes:

(1) Avoid prolonged operation in overload (2) 100 / 200VAC Input (3) 85-90Vac = output current = 80%

(4) Built to meet EN 61000-3-2 (5) Refer to detailed specifications & Application Notes

(6) 100/230VAC Input

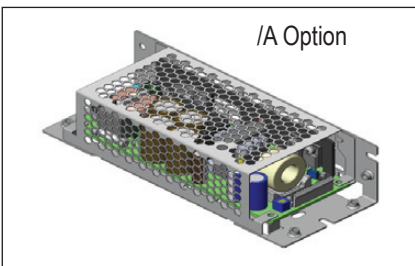
Model Selector

Model	Output Voltage (V)	Output Adjust Range (V)	Average Output Current (A)	Peak Output Current (A)	Average Output Power (W)	Peak Output Power (W)	Efficiency at 200VAC Input (%)	Load reg (mV)	Line reg (mV)	OCP (A)	OVP (V)
ZWS150BP-24	24	21.6 - 27.5	6.3	12	151.2	288	90	192	96	12.66	28.8 - 33.6
ZWS150BP-36	36	32.4 - 39.6	4.2	8	151.2	288	90	288	144	8.44	41.4 - 48.6
ZWS150BP-48	48	39.6 - 52.8	3.2	6	153.6	288	90	384	192	6.43	55.2 - 64.8
ZWS240BP-24	24	21.6 - 27.5	10	20	240	480	91	192	96	20.10	28.8 - 33.6
ZWS240BP-36	36	32.4 - 39.6	6.7	13.4	241.2	482.4	91	288	144	13.47	41.4 - 48.6
ZWS240BP-48	48	39.6 - 52.8	5	10	240	480	91	384	192	10.05	55.2 - 64.8

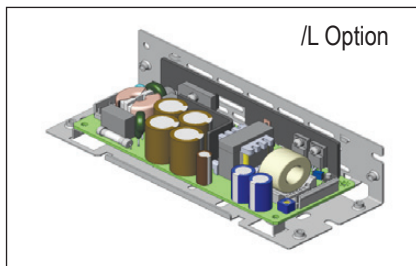
Option Description

	Suffix
L-Plate and Cover	/A
L-Plate	/L
Conformally coated PCB	/CO2
Remote on/off	/R
Terminal Block (240W models only)	/T

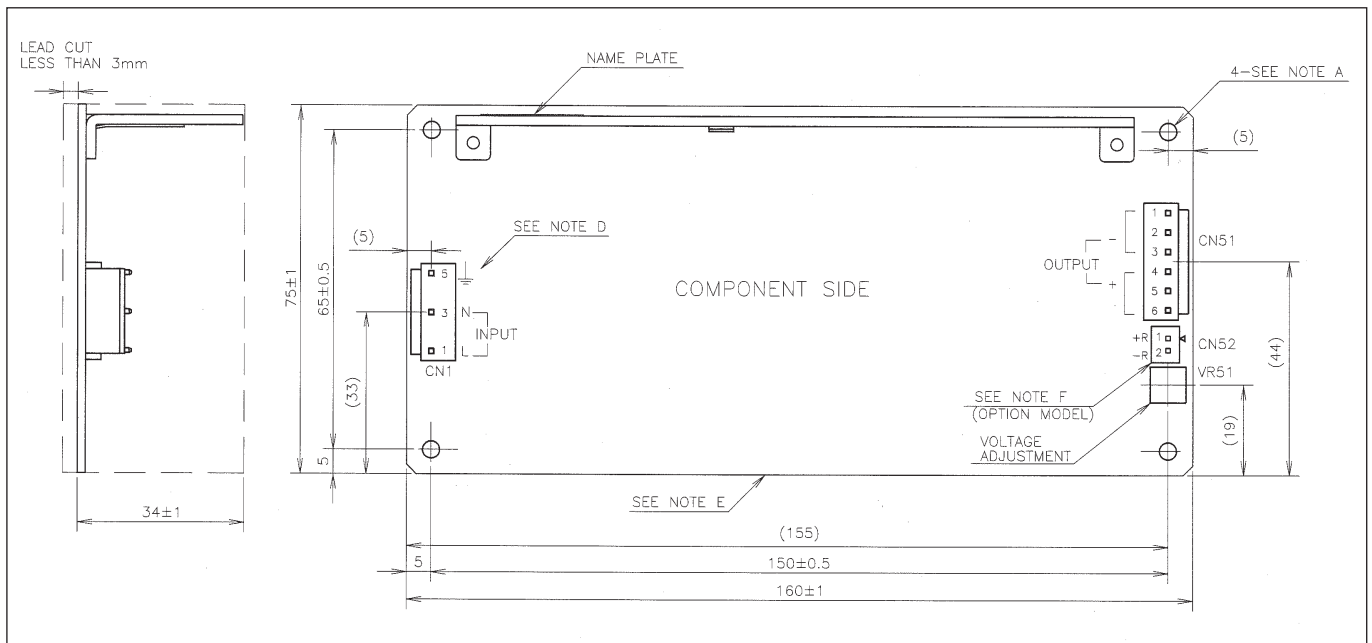
/A Option



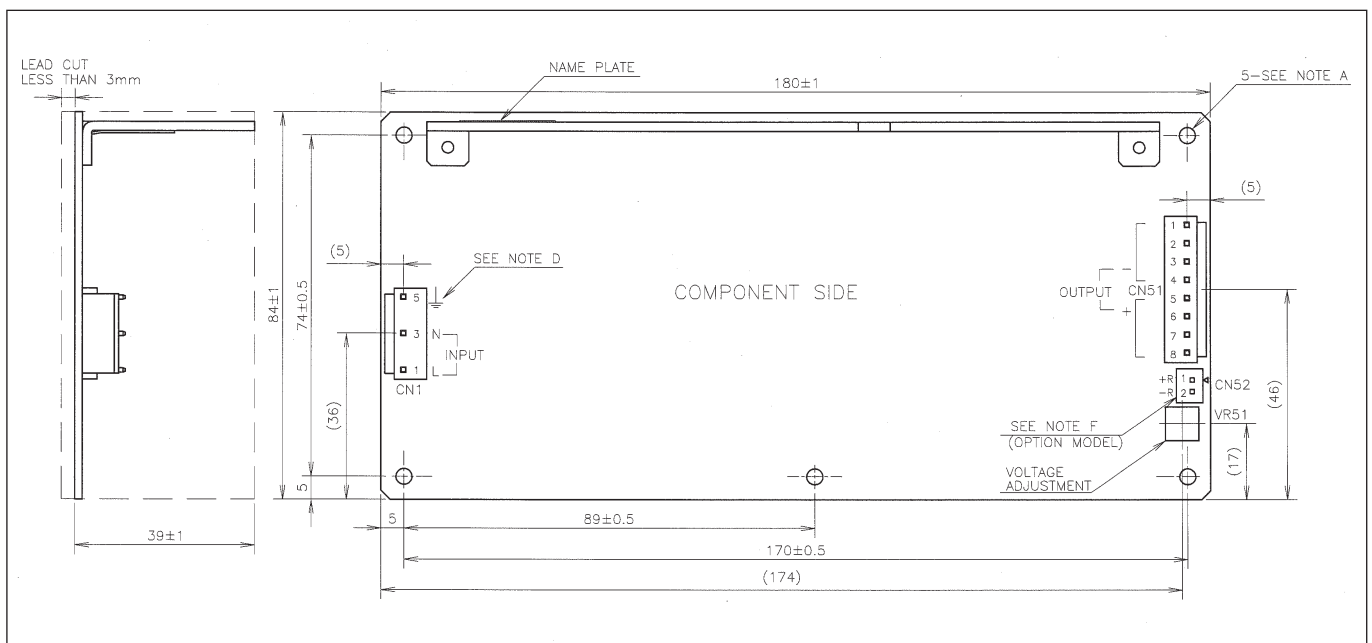
/L Option



Outline Drawing ZWS150BP



Outline Drawing ZWS240BP





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