

Single Output 115VAC Input Industrial Power Supplies



- ◆ 3 Year Warranty
- ◆ Small size
- ◆ Approved to UL & CSA
- ◆ 85 - 132VAC Input, 47-440Hz
- ◆ $\pm 10\%$ output adjustment

Key Market Segments & Applications

Factory Automation	Process Control, NC-Machining, Automotive, Packaging Equipment, Materials Handling, Chemical Processing, Robots
Test & Measurement	Burn-in & Test, Automated Test, Instrumentation, Measurement, Detection
Automated Service	Vending Machines, Elevators, Video Gaming, Point of Sale Equipment

HK-A Features and Benefits

Feature

- ◆ 3 Year Warranty
- ◆ Adjustment potentiometer
- ◆ Low profile

Benefit

- ◆ Lower Cost of Ownership
- ◆ Reduces need for non standard models
- ◆ Smaller end system size

Specifications

ITEMS	MODEL	HK10A	HK15A	HK25A	HK50A	HK100A	HK150A	
Input Voltage range	-	85 - 132VAC (47 - 440Hz) or 110 - 175VDC						
Inrush Current (100VAC)	A	20	30	15	30	15	15	
Temperature Coefficient (Typ)	-	1% (over operating temperature range)						
Overcurrent Protection	-	> 105%						
Overvoltage Protection	%	115%		115 to 135%				
Hold Up Time (Typ at 100VAC)	ms	20						
Remote Sense	-	No				Yes		
Operating Temp (no cover) (1)	-	0°C to +60°C, derate linearly to 50% load from 50°C to 60°C						
Operating Temp (w/ cover) (1)	-	0°C to +50°C, derate linearly to 50% load from 40°C to 50°C						
Storage Temperature	-	-30 to +85°C						
Operating Humidity	-	30 - 90% RH (non condensing)						
Storage Humidity	-	10 - 95% RH (non condensing)						
Cooling	-	Convection cooled						
Withstand Voltage	-	I/P to Grnd, I/P to O/P 2kVAC (20mA), O/P to Grnd 500VAC (100mA) for 1 min.						
Isolation Resistance	-	> 100M at 25C & 70%RH, Output to Ground 500VDC						
Vibration (non operating)	-	10 - 55Hz (1 minute sweep), 19.6m/s ² constant X, Y, Z 1 hour						
Shock	-	< 196.1 m/s ²						
Safety Agency Approvals	-	UL1950, CSA950						
Conducted & Radiated EMI	-	FCC Class B, VCCI-B						
Recommended EMI Filter	-	MAW12R522	MAW120122		MAW120222	MB1200		
Weight (Typ)	g	150	170	230	280	540	650	
Size (WxHxD)	mm	See sheet 2						
Warranty	-	Three Years						

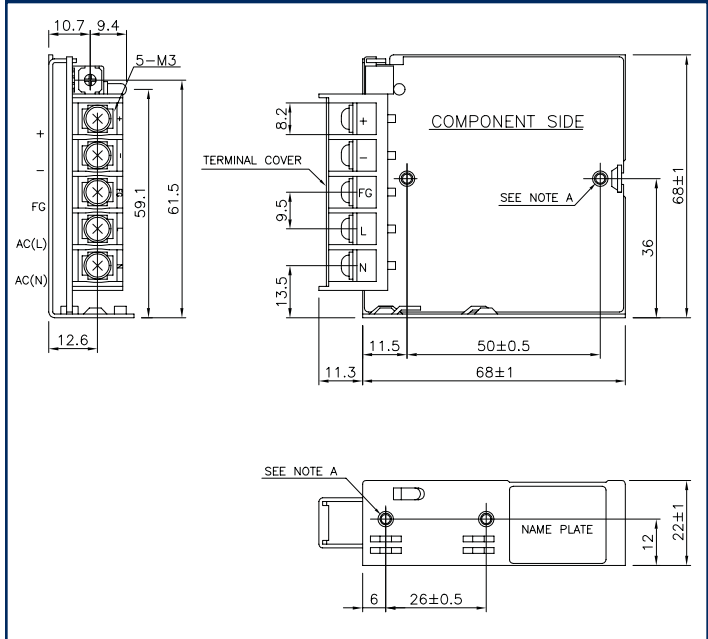
(1) Vertical mount as photo, HK100A & HK150A models operate to -10°C
See installation manual for full details, test methods of parameters and application notes

Model Selector

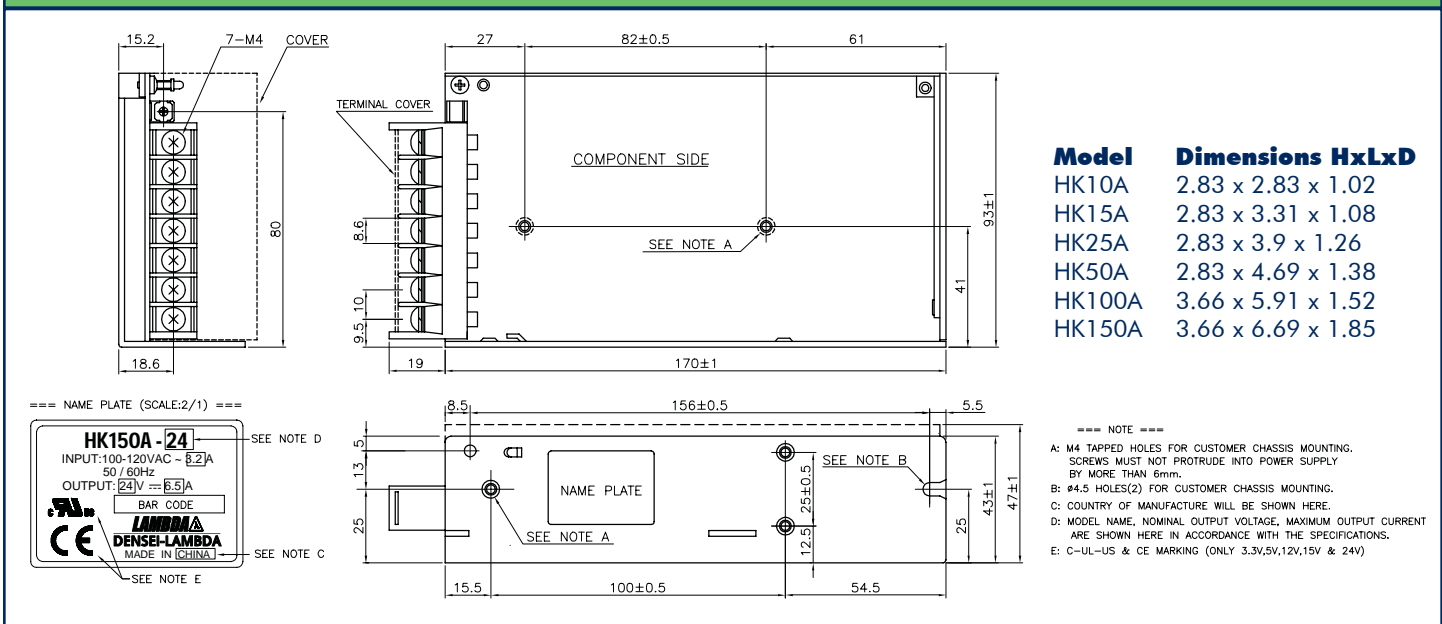
Model	Adjust Voltage	Max Range	Load Curr.	Line Reg mV	Ripple Reg mV	Eff. Noise (typ)%
HK10A-5/A	5	4.5 - 5.5	2.0	40	20	120 71
HK15A-5/A	5	4.5 - 5.5	3.0	40	20	120 69
HK25A-5/A	5	4.5 - 5.5	5.0	40	20	120 72
HK50A-5/A	5	4.5 - 5.5	10.0	40	20	120 79
HK100A-5/A	5	4.5 - 5.5	20.0	40	20	120 80
HK150A-5/A	5	4.5 - 5.5	30.0	40	20	120 80
HK10A-12/A	12	10.8 - 13.2	0.9	96	48	150 73
HK15A-12/A	12	10.8 - 13.2	1.3	96	48	150 74
HK25A-12/A	12	10.8 - 13.2	2.1	96	48	150 76
HK50A-12/A	12	10.8 - 13.2	4.2	96	48	150 81
HK100A-12/A	12	10.8 - 13.2	8.5	96	48	150 81
HK150A-12/A	12	10.8 - 13.2	12.5	96	48	150 81
HK10A-15/A	15	13.5 - 16.5	0.7	120	60	150 74
HK15A-15/A	15	13.5 - 16.5	1.0	120	60	150 75
HK25A-15/A	15	13.5 - 16.5	1.7	120	60	150 77
HK50A-15/A	15	13.5 - 16.5	3.4	120	60	150 82
HK100A-15/A	15	13.5 - 16.5	7.0	120	60	150 81
HK150A-15/A	15	13.5 - 16.5	10.0	120	60	150 81
HK10A-24/A	24	21.6 - 26.4	0.5	150	96	150 78
HK15A-24/A	24	21.6 - 26.4	0.7	150	96	150 77
HK25A-24/A	24	21.6 - 26.4	1.1	150	96	150 80
HK50A-24/A	24	21.6 - 26.4	2.2	150	96	150 84
HK100A-24/A	24	21.6 - 26.4	4.5	150	96	150 82
HK150A-24/A	24	21.6 - 26.4	6.5	150	96	150 82

Derate to 80% load from 0 to -10°C

HK-10A Outline Drawing



HK-150A Outline Drawing



Options

Suffix	Description
Blank	No cover (Special order)
/A	With cover (Standard US stock)

For Additional Information, please visit www.lambdapower.com/products/hka-series.htm

Other Lambda Industrial Products

RWS	15W & 30W Single output 85-265VAC
DLP	75W to 240W DIN rail mount 85-265VAC
ZWS	5W to 150W pcb style single output 85-265VAC
VSB/VSC	10W to 150W pcb style single output 85-132VAC
JWS, JWS-P & JWT	50W to 600W Single and triple output 85-265VAC