

Single Output 115VAC Input Industrial Power Supplies



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

RoHS

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	Benefit
◆ 3 Year Warranty	◆ Lower Cost of Ownership
◆ Adjustment potentiometer	◆ Reduces need for non standard models
◆ Low profile	◆ Smaller end system size

Specifications

MODEL		HK10A	HK15A	HK25A	HK50A	HK100A	HK150A
ITEMS							
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% (Zener clamp)			115 to 135%		
Hold Up Time (Typ at 100VAC)	ms	20					
Remote Sense	-	No				Yes	
LED Indicator	-	Green LED = On					
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/s² constant X, Y, Z 1 hour					
Shock	-	< 196.1 m/s²					
Safety Agency Approvals	-	UL60950-1, CSA C22.2 No. 60950-1 (cUL)					
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)	in	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

HK-10A Outline Drawing

[illegible]

HK-150A Outline Drawing



Other Lambda Industrial Products

HWS	15W to 1500W Single output 85-265VAC
DLP/DPP/DSP	10W to 480W 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

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