

Catalogue

Low cost power supply for general purpose application



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LCS Series

INDUSTRIAL POWER SUPPLY

SPECIFICATIONS				
Model	Voltage	Max Output Current (A)	Ripple & Noise (mV P-P)	Efficiency
LCS35-5	5V	7.0	75	73
LCS35-12	12V	3.0	100	75
LCS35-24	24V	1.5	100	80
LCS50-5	5V	10.0	75	74
LCS50-12	12V	4.2	100	77
LCS50-24	24V	2.1	100	81
LCS100-5	5V	20.0	100	75
LCS100-12	12V	8.5	100	79
LCS100-24	24V	4.5	100	83
LCS150-5	5V	30.0	150	77
LCS150-12	12V	12.5	180	80
LCS150-24	24V	6.5	240	84

LCS Series

Single output power supply: 35 / 50 / 100 / 150 Watt. AC – DC enclosed.

Features

- Input Voltage range 115 / 230 VAC
- Certified to ICE 60950
- EMI: Conform to EN55022-A
- EMS: Conform to EN61000-4-2,4,5,11
- Screw terminal for input / output connections.

SPECIFICATIONS

Input		
Input Voltage Range	LCS50-100	AC: 85~132VAC / 170~264VAC (User Selectable)
	LCS150	AC: 88~132VAC / 176~264VAC (User Selectable)
Input Voltage Frequency	47-63 hZ	
Input Current	LCS35	0.8A @ 115VAC & 0.45A @ 230VAC
	LCS50	1.3A @ 115VAC & 0.65A @ 230VAC
	LCS100	2.4A @ 115VAC & 1.2A @ 230VAC
	LCS150	3.2A @ 115VAC & 1.6A @ 230VAC
Inrush Current, at cold start	LCS35 & 50	18A @ 115VAC & 36A @ 230VAC
	LCS100 & 150	20A @ 115VAC & 40A @ 230VAC
Output		
Line Regulation	LCS35 & 50	± 0.5% of Nominal rated Output Voltage
	LCS100 & 150	± 0.5% for 5V, ± 0.3 for 12V, ± 0.2% for 24V
Load Regulation	LCS35 & 50	± 1.0% for 5V, ± 0.5% for 12V & 24V
	LCS100 & 150	± 0.5% for 5V, ± 0.3 for 12V, ± 0.2% for 24V
Adjustment Range (V)	± 10%	
Temperature Drift	<0.03%/°C (-10°C~50°C)	
Rise Time	300msec Max, 100% Output loading @ 230VAC	
Hold Up Time	LCS35	30msec Min, 100% Output loading @ 230VAC
	LCS50~150	20msec Min, 100% Output loading @ 230VAC
Over Voltage Protection (OVP)	LCS35 & 50	Zener clamping at Vo>110%, Non Auto Recovery
	LCS100 & 150	125%<Load<145%/I/P:115/230VAC, Reset by recycle AC on/off
Over Current Protection (OVP)	LCS35 & 50	Load>120%/I/P:115/230VAC, Auto Recovery
	LCS100 & 150	105%<Load<150%/I/P:115/230VAC, Reset by recycle AC on/off
Over Voltage Protection (OVP)	LCS35 & 50	Available, avoid short circuit > 30secs
	LCS100 & 150	Power supply will shutdown, Reset by recycle AC on/off
Environmental		
EMC Standard	Conforms to EN55022 Class A (Conducted and Radiated), IEC61000-4-2,4,5,11	
Operating Temperature	LCS35 & 50	-10°C@80%, 0~50°C@100%,60°C@60% Load
	LCS100	Convection cooled
		5V: -10°C@80%,0~35°C@100%,60°C@50% Load
		12V & 24V: -10°C@80%, 0~50°C@100%, 60°C@60% Load
		Force Air Cooled
	LCS150	-10°C@80%,0~50°C@100%,60°C@60% Load
	LCS150	Convection cooled
		5V % 12V: -10°C@80%,0~30°C@100%,60°C@40% Load
24V: -10°C@80%, 0~50°C@100%, 60°C@60% Load		
Force Air Cooled		
	-10°C@80%,0~50°C@100%,60°C@60% Load	
Operating Humidity	20%~90% RH	
Storage Temperature	-20~85°C	
Storage Humidity	10%~95% RH	
Vibration	10~55Hz, 2G 1min/1 cycle for 60min period on each axis	
Safe Approval	Certified to IEC60950 (CB Certification)	
General		
Withstand Voltage	Input to Output: 3KVAC, Input to FG: 2.5KVAC, Output to FG: 0.5KVAC, 1 minute	
Isolation Resistance	Input to Output, Input to FG, Input to FG: 500VDC/100Mohms	
Leakage Current	<3.5mA/240VAC	
Physical Dimension L x W x H (mm)	LCS35	129 x 98 x 38
	LCS50	160 x 98 x 38
	LCS100	199 x 98 x 38
	LCS150	200 x 110 x 50
Note:	<ol style="list-style-type: none"> All parameters are specified at 115 & 230VAC input, rated load, 25°C ambient, 70% RH Tolerance - include set up tolerance, line regulation, load regulation Ripple & noise measured 305mm (12") away from SMPS on cable connecting SMPS to load. Measurement point has 0.1µF & 47µF capacitor connected across cables, oscilloscope bandwidth 20 MHz & cables should be twisted Line regulation is measured from low line to high line at rated load Load regulation is measured from 0% to 100%, at 115 & 230VAC Warranty conditional for operating up to 100% load, at 115 & 230VAC, Ta=30°C average at recommended mounting (refer to derating curve) EMI guaranteed at 100-120VAC/200-240VA at rated load. 	

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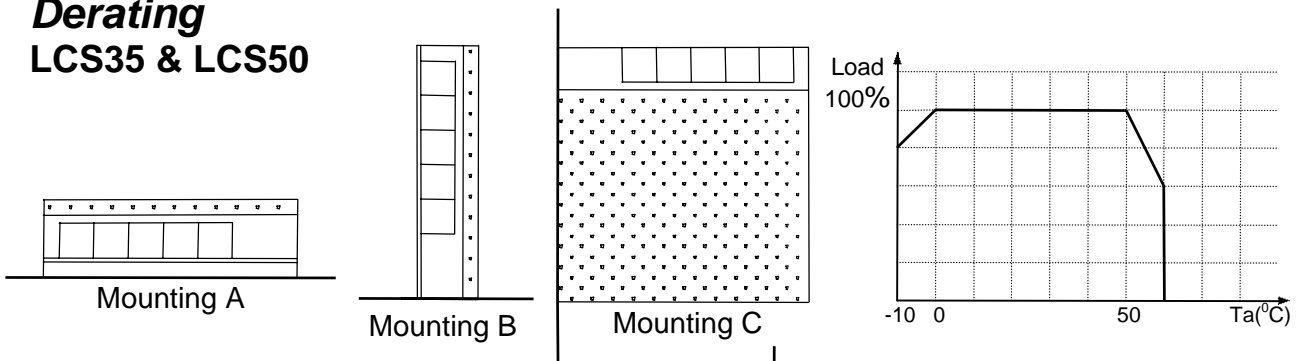
Warranty
1 year



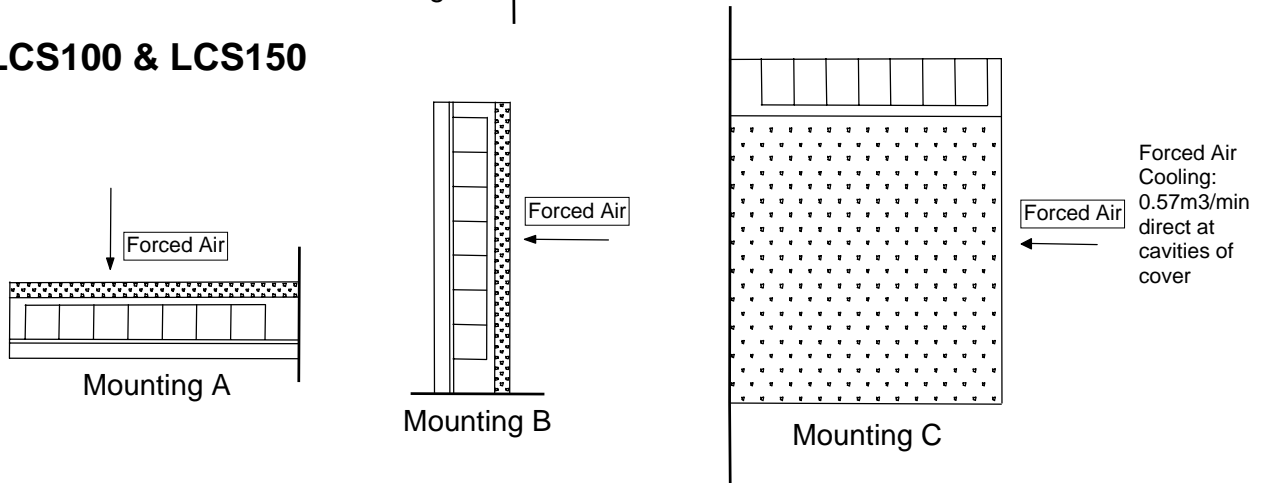
LCS150 LCS100 LCS50 LCS35

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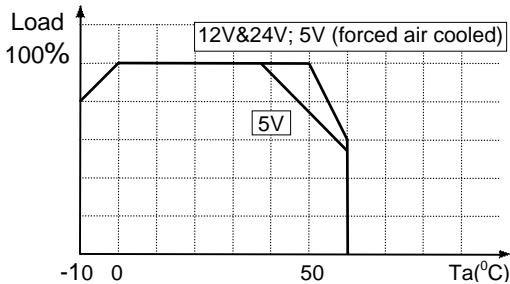
**Derating
LCS35 & LCS50**



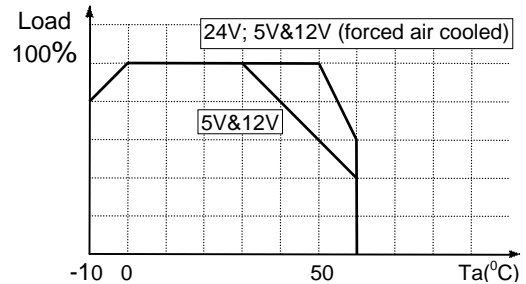
LCS100 & LCS150



LCS100



LCS150



Rhà phan phối chính thức tại Việt Nam

Authorised distributor in Vietnam:



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