



CLD50 SERIES

50 WATT DUAL OUTPUT

LED POWER SUPPLY



Features

- * Universal AC Input Range 90-264Vac
- * High Active PFC >0.9
- * Low Inrush Current <5A
- * Low Profile for Easy Installation
- * Low Flicker for Lighting, with Low ripple & noise
- * Output Constant Current Design
- * Continuous Short Circuit Protection
- * Suitable for LED Lighting and Moving Sign Applications
- * Safety meet IEC/EN61347, PSE



MODEL	Input Voltage Range	Output Operating Voltage		Output Rated Current	Output Rated Power	Output Voltage Maximum	Ripple and Noise (max.) Note2	Efficiency (Typical) Note3
CLD50D240 -C100	90-264Vac	V1	8-24VDC	1000mA	24W	30VDC	300mVpp	85%
		V2	8-24VDC	1000mA	24W	30VDC	300mVpp	
CLD50D420 -C060	90-264Vac	V1	18-42VDC	600mA	25.2W	48VDC	300mVpp	86%
		V2	18-42VDC	600mA	25.2W	48VDC	300mVpp	

Note:

1. Nominal Input Voltage: 100Vac, 230Vac
2. Ripple and Noise are measured at rated current, 100Vac, Vo=36Vdc(CLD50D420), 21V(CLD50D240) and 20MHz bandwidth with a 0.1uF ceramic capacitor.
3. Measured at rated current, 100Vac, Vo=36Vdc(CLD50D420), 21Vdc(CLD50D240)

CLD50 Derating Curve

INPUT SPECIFICATIONS:

OUTPUT SPECIFICATIONS:

GENERAL SPECIFICATIONS:

SAFETY AND EMISSIONS:

NOTE:

1. Output voltage is measured at no load.
2. Current line regulation is measured from high line to low line.
3. Current load regulation is measured from high to low operating voltage.



Tolerance Millimeters: x.x = ± 0.5 , x.xx = ± 0.25

