

NCLED Power Supply Series

100W

Constant Voltage Power Supplies



HH11665-11009A



--- FEATURES ---

- High Efficiency 83%(Typical)
- IP67 Waterproof
- Active PFC (Typical 0.95)
- OVP, SCP, OCP, OTP
- -20 to 50°C deg operation
- Wide Input 90~260VAC
- EN61347-1, -2-13 compliant

The constant voltage LED power supplies from NC LED can deliver up to 100W of output power in an compact package size.

The LUXENCE Power Supply Series provide a range of output voltage solutions for specific LED requirements. With its 88% of high efficiency and PFC function, LUXENCE Power Supply Series make you experience the high reliability and performance to maximize efficiency of industry as a outstanding solution.

Model Number	Input Voltage	Output Voltage	Output Current	OVP Max	Efficiency
NCP100-PF-SU-12V	90~260VAC	12VDC	8.4A	18V	86.0%
NCP100-PF-SU-24V	90~260VAC	24VDC	4.2A	32V	88.0%

Input Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Input Voltage Range	Universal Input	100	220	240	VAC
Input Frequency Range		50		60	Hz
Input Current	100VAC in, 100W output			1.3	A
Power Factor(Typical)	220VAC , 110VAC	0.95		0.99	
Inrush Current	At 230VAC VAC input, 25°C Cold start			40	A

Output Specifications

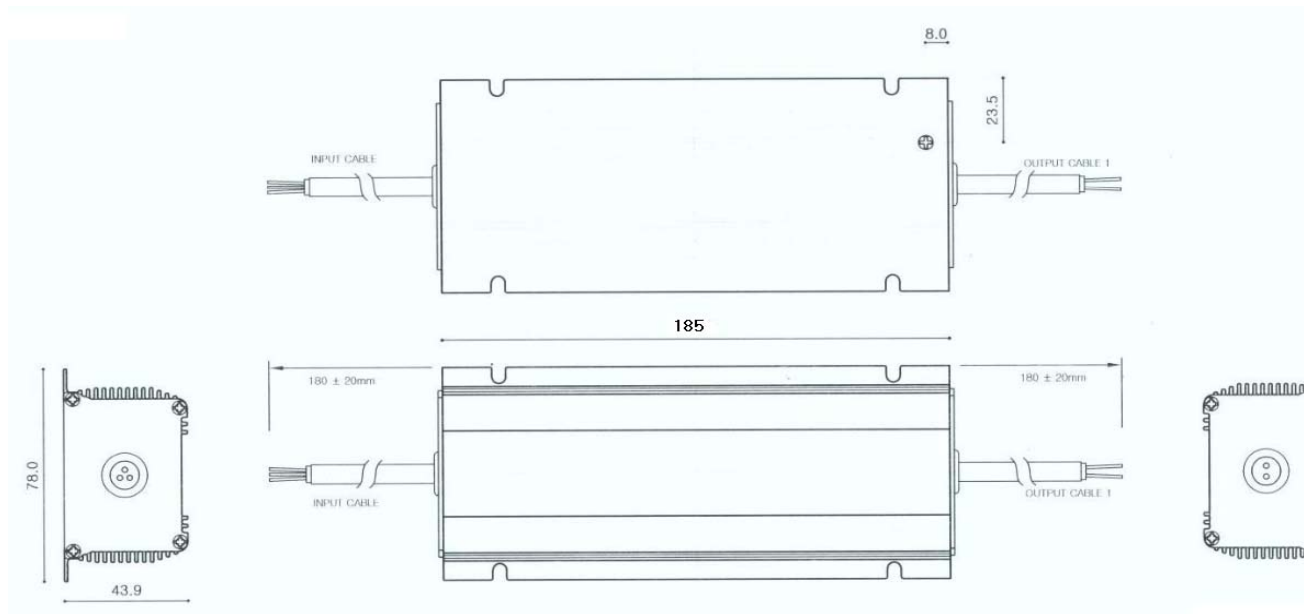
parameter	Conditions/Description	Min	Nor	Max	Units
Line Regulation			±2		%
Load Regulation			±2		%
Voltage Accuracy	% of Vout		±5		%
Ripple and Noise	20MHz Bandwidth		500		mV
Turn-on Delay	Measured at 220VAC and full load		1		s
Short Circuit Protection	Auto Recovery				
Over Voltage Protection	Non-latching. See individual moldels OVP levels				

General Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Isolation Voltage	Input to Chassis		2000		VAC
Efficiency(Typical)	See individual models		83.0		%
No load Power Dissipation	Measured at 100VAC and 220VAC		1.0		W
Lifetime	Load 80% at 30°C		40000		Hours
Weight			850		g
Operating Temperature		-20		+ 50	°C
Storage Temperature		-20		+ 70	°C
Relative Humidity	Non-condensing (operating)	10		90	%RH
Power Derating	At 100VAC, derates linearly from 100% at 30°C to 80% at 50°C				
	At 240VAC, derates linearly from 100% at 30°C to 80% at 50°C				

EMC					
parameter	Standard		Level		
Emissions					
Conducted	EN55015		Level B		
Radiated	EN55015		Level B		
Harmonic Distortion	EN61000-3-2		Compliant		
Flicker and Fluctuation	EN61000-3-2		Compliant		
Immunity					
ESD	EN61000-4-2		Level 4		
Radiated RFI	EN61000-4-3		Level 3		
Fast Transients - burst	EN61000-4-4		Level 4		
Input Line Surges	EN61000-4-5		Level 4		
Conducted RFI	EN61000-4-6		Compliant		
power Freq Magnetic Field	EN61000-4-8		Compliant		
Voltage Dips	EN61000-4-11		Compliant		

DIMENSIONS



INPUT / OUTPUT WIRING

INPUT CABLE

VCTF 0.75mm² 3C

Blue(N) and Brown(L) Green(Earth), 200±20mm

OUTPUT CABLE

VCTF 1.0mm² 2C

Brown(+V) and Blue(-V) , 200±20mm

NC LED

Joy to you! Sence of Light

HEAD OFFICE

4F Daedeak B/D, 513-32 Amsa-dong, Kangdong-gu, Seoul, Korea. Tel. +82-2-474-8581 Fax. +82-2-429-8581

FACTORY

16-17 Kagok-li, Hwado-eup, Namyangju-si, Kyungki-do, Korea. Tel. +82-070-8277-4272 Fax. +82-31-595-8028

Website : <http://www.ncled.co.kr> E-mail. Sales1@ncled.co.kr / sales2@ncled.co.kr / sales3@ncled.co.kr