



IP66

■ Features

- Constant Current mode output
- Anti Rusting Aluminum Housing
- IP66 rating for indoor or outdoor installations
- Typical lifetime > 62000 hours
- 5 Years Warranty
- Over Voltage / Surge/ Short Circuit Protections
- High operating Temperature
- High Efficiency
- Long Life
- Additional Surge Protection Module to increase life

■ Applications

- LED street lighting
- LED high-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- High Mast LED Lighting
- Flood Lighting

■ Description

SLD-150W series is a 150W AC-DC LED driver having a constant current output. SLD-150W operates from 100 ~ 275VAC and offers a wide range of customized output voltage and current according to the customer requirement. This driver is made of anti-rust aluminum body which has an operating temperature from -40°C ~ +90°C. The body is made such that it could meet the customer requirement with IP65/IP66 grade of ingress protection which makes this driver fit for both indoor and outdoor applications. To increase the overall thermal efficiency, the body acts as an heat-sink which gives an overall efficiency of 92% with a fan-less design to reduce other losses. This driver also ensures the increased life of the LED chip used. With the external surge protection provided, this could handle higher surges without damaging the internal components of the LED driver.

SPECIFICATION

MODEL				
OUTPUT	DC VOLTAGE	42V	48V	54V
	CONSTANT CURRENT REGION	21 ~ 42V	24 ~ 48V	27 ~ 54V
	RATED CURRENT	3.6A	3.2A	2.8A
	RATED POWER	151.2W	153.6W	151.2W
	RIPPLE & NOISE (max.)	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	Adjustable for A-Type only (via built-in potentiometer)		
		38 ~ 46V	43 ~ 53V	49 ~ 58V
	CURRENT ADJ. RANGE	2.16 ~ 3.6A	1.92 ~ 3.2A	1.68 ~ 2.8A
	VOLTAGE TOLERANCE	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	
HOLD UP TIME (Typ.)	16ms / 115VAC, 230VAC			
INPUT	VOLTAGE RANGE	100 ~ 275VAC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF ≥ 0.98/115VAC, PF ≥ 0.95/230VAC, PF ≥ 0.92/277VAC @ full load		
	TOTAL HARMONIC DISTORTION	THD < 15% (@ load ≥ 60% / 115VAC, 230VAC; @ load ≥ 75% / 277VAC)		
	EFFICIENCY (Typ.)	92%	92%	92%
	AC CURRENT (Typ.)	1.7A / 115VAC	0.75A / 230VAC	0.7A / 277VAC
LEAKAGE CURRENT	< 0.75mA / 277VAC			
PROTECTION	SURGE PROTECTION	Tested and withstood up to 35KV surge (625 Joules) @1000ns		
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed		
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	47 ~ 53V	54 ~ 63V	59 ~ 65V
		Shut down o/p voltage with auto-recovery or re-power on to recovery		
OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	Tcase= -40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)		
	MAX. CASE TEMP.	Tcase= +90°C		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)		

Dimensions : 210mm x 68mm x 45mm (L x W x H)

