TALEXX LCU 60W IP67

LCU 60W 12V IP67 TOP

CLASS 2

Product Description:

- Constant voltage LED power supply
- Universal input voltage range
- Constant output voltage
- Connection cable with stripped cable end (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 55,000 h (at 230Vac, full load, Tc 75°C)
- 5-year guarantee (for Tc: 75°C)
- Complies with CLASS C according to EN 61000-3-2

Features:

- Small design
- Low power loss
- Over-temperature and overload protection
- Short-circuit shutdown feature w/ automatic restart
- Surge protection
- SELV
- Type of protection: IP67
- Metal casing

IP67 SELV EL

ORDERING GUIDE

Type	LCU 60W 12V IP67 TOP
Article Number	28000509A
Packaging Carton	10 pc(s).
Packaging Pallet	480 pc(s).
Weight per pc. 12V	0.45 kg

SPECIFIC TECHNICAL DATA

Type	LCU 60W 12V IP67 TOP
Max. Casing Temp Tc	90° C
Output Voltage	12 V
Max. Input Power	74 W
Output Current Range	0.5 - 5.0 A
Max Output Voltage 12V	13.2 V

TECHNICAL DATA

Rated Supply Voltage[2]	100 - 277 V
Input Voltage, AC[2]	90 - 305 V
Input Voltage, DC	176 - 288 V
Rated Current (at 230 V, 50 Hz)	0.32 A
Mains Frequency	47 - 63 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 86%
λ (at 230 V, 50 Hz, full load)	0.97
Output Voltage Tolerance	-0 / +10 %
Output Power (ta ≤ 60°C)	60 W
Output Power Range	6 - 60 W
Turn On Time (Output)	≤ 0.5 s
Turn Off Time (Output)	≤ 1 s
Hold on Time at Power Failure (Output)	10 ms
Ambient Temperature T_a	-40 ... +60° C
Storage Temperature T_S	-40... +85° C
Dimensions (L x W x H)	240 x 40 x 21 mm
Hole Spacing	232 x 18 mm

REV: 13AUG2020

Data sheet subject to change without notice.

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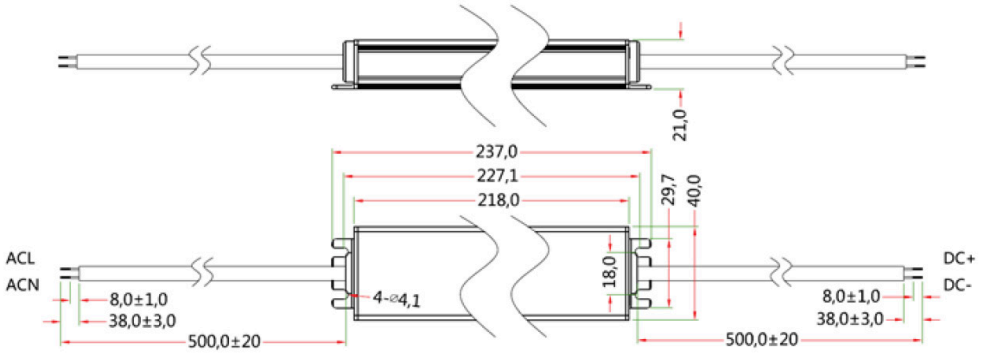
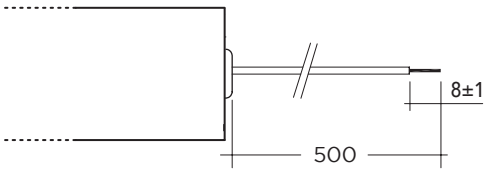
DIMENSION DRAWINGS



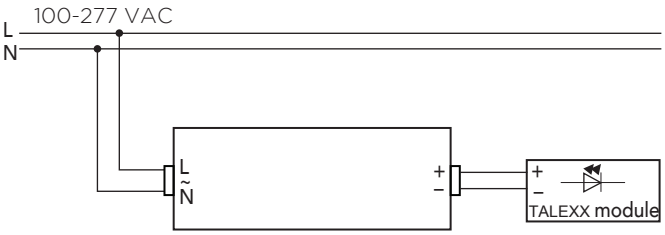
CONNECTION



Primary Cable		Secondary Cable	
L	N	+	-
brown	blue	red	black

PRI:
Ø 7.7 ±0.2 mm; 2 x 1.04 mm^2 (17 AWG)
SEC:
Ø 7.7 ±0.2 mm; 2 x 1.04 mm^2 (17 AWG)

WIRING DIAGRAM



Installation instructions
The switching of LEDs on secondary side is not permitted. A proper functioning of the LCU in combination with third party dimming devices (e.g. PWM) cannot be guaranteed.

STANDARDS

CE:
- EN 55015
- EN 60598-1
- EN 60598-2-22
- EN 61000-3-2
- EN61000-4-5
- EN 61347-1
- EN 61347-2-13
- EN 62493

RCM:
- AS/NZS IEC61347.2.13
- AS/NZS IEC61347.1

CCC:
- GB19510.1
- GB19510.14

Overload protection
Automatic shutdown of the LED Driver if the maximum output current is exceeded. Automatic restart if the output current is below the limit.

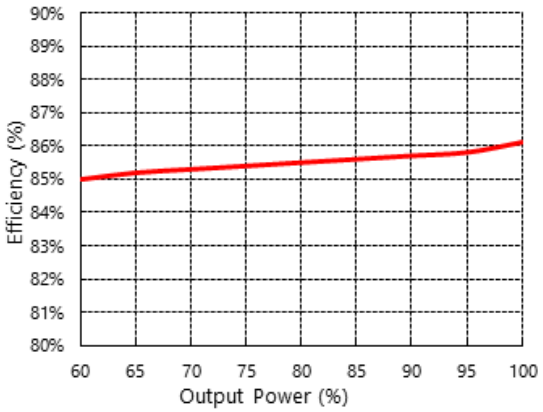
No-load operation
The LED power supply is not damaged in no-load operation. The max. output voltage (see page 1) can be obtained during no-load operation.

Over temperature protection
Automatic shutdown of the LED power supply if the temperature limit is exceeded. Automatic restart if the temperature falls below the limit.

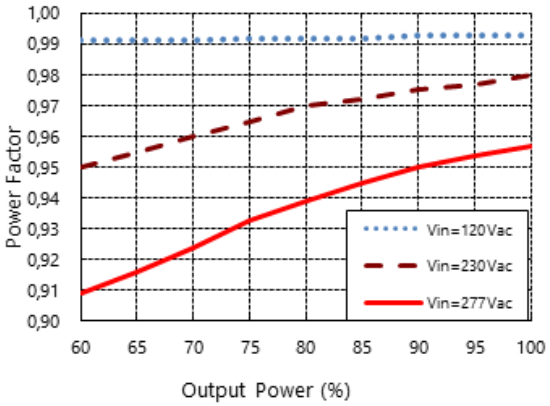
Short-circuit behaviour
In case of a short circuit on the secondary side (LED) the LED power supply switches into hiccupmode. After removal of the short-circuit fault the LED power supply will recover automatically.

DIAGRAMS

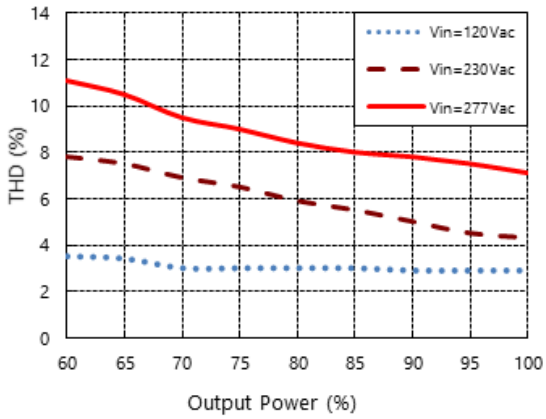
Efficiencr vs Output Power



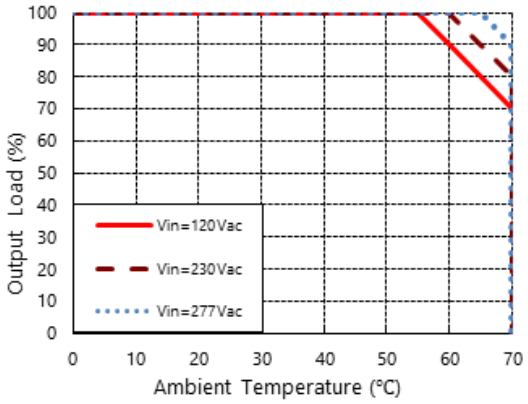
Power factor vs Output Power



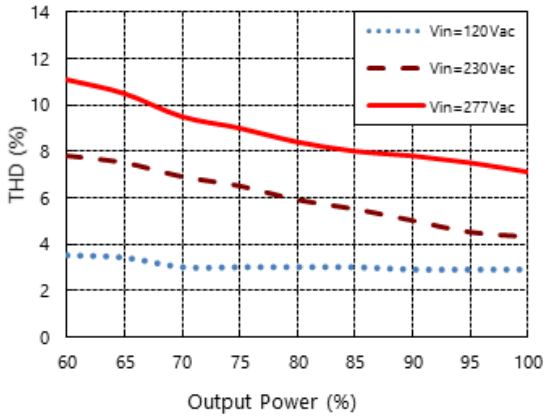
THD vs Output Power



Output Power vs Ambient Temperature



THD vs Output Power



Lifetime vs Case Temperature