

UK distributor for TRIDONIC LED systems

TALEX Converter LCU 100 W 12V outdoor IP67 Constant Voltage

Product Description

- Constant Voltage Converter
- Universal Input Voltage Range
- Constant Output Voltage
- Connection: Cable with endsleeves (length approx. 500mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated to IP67

Properties

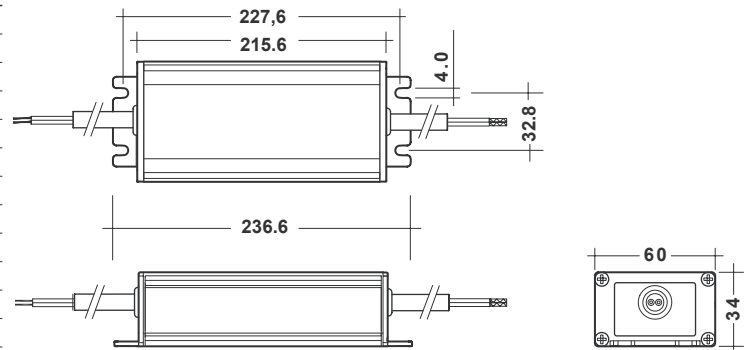
- High Efficiency
- Low Power Loss
- Over Temperature Protection
- Overload Protection by Restricting Output
- Short-Circuit Shutdown Feature With Automatic Re-start
- SELV
- Type of Protection IP67



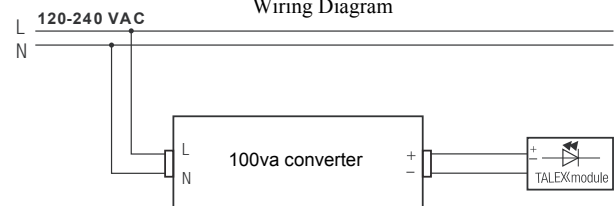
IP67 

Technical Data

Rated Supply Voltage	120-240V
Input voltage, AC	108-264V
Input voltage, DC	120-240V
Rated current (at 230V 50Hz)	0.55A
Mains frequency	0 / 50 / 60Hz
Efficiency	>85%
Max. Input power	75W
Λ	0.95
Output voltage	12 V
Output voltage tolerance	+10%
Output current range	0.4-5A
Output power	100W
Output power range	10 - 100W
Turn on time (output)	$\leq 0.5s$
Turn off time (output)	$\leq 1s$
Hold on time at power failure (Output)	10ms
Ambient temperature t_a	-25 to +50°C
Max. Casing temperature t_c	85°C
Storage temperature	-30...+85°C
Weight	1.2kg
Dimensions LxWxH	237x60x34mm
Hole spacing D	228mm



Wiring Diagram



Over Temperature Protection

Automatic power reduction of the converter if the temperature limit is exceeded.
Automatic restart to nominal mode if the temperature falls below the limit.

Overload Protection

Automatic shut down of the converter if the maximum output current is exceeded.
Automatic re-start if the output current is below the limit.

Maximum Loading of Automatic Circuit Breakers

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20
Cable Diameter	1.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²
100va Converter	6	8	12	14	3	4	6	7

Connection

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

Standards

EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384