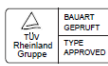


Features

- Universal AC input with built-in active PFC function
- Designed by ZVS & ZCS topologies
- Up to 93% high efficiency performance
- No derating in -30°C to +65°C operating temperature & full AC input range
- High reliability and long life
MTBF > 300,000 hrs & Life time > 40,000 hrs
- IP67 design for indoor / outdoor installations
- Suitable for LED lighting and moving sign applications
- 3 years warranty



General Specification

Input-

Input Voltage : 90-305VAC

Input Frequency : 47Hz-63Hz

Maximum Input Current : 2.0A/115VAC
1.0A/230VAC

Turn On Time : < 3 sec./115VAC at rated load
< 1.5 sec./230VAC at rated load

Rise Time : < 80ms at rated load

Protection-

OVP : Latch off

OCP : Auto recovery

SCP : Auto recovery

OTP : Auto recovery

Packing-

Unit NET weight (g) : 990g

Carton size (mm) : 385(L)*320(W)*190(H)mm

Q'ty/Carton : 10pcs /carton

Gross Weight(kg) : 11.5kg

Environment & Reliability-

Operating Temperature : -30°C to + 65°C

Storage Temperature : -40°C to +80°C

Cooling : Free air convection cooling

Relative Humidity : 10% to 95% non-condensing

MTBF : 300K hrs min at ambient 25°C

Lifetime : 40K hrs min at ambient 50°C

Surface Temperature : Tc<90°C
Ta<65°C

Safety & EMC-

Safety : TUV EN61347-1 / EN61347-2-13

UL 60950-1

CSA C22.2 No.223-M91

CE

IP67

EMI : EN55015

EN61000-3-2 class C

EN61000-3-3

EMS : EN61547

EN61000-4-2, 3,4,5,6,8,11

Output Specification

| Model No. | Output Voltage | Rated Current | Maximum Power | Voltage Accuracy | Constant Current Accuracy | Efficiency | Ripple Noise |
|---------------|----------------|---------------|---------------|------------------|---------------------------|------------|--------------|
| BT-LC151DMN-B | 24V | 6.25A | 150W | ±3% | ±3% | 92% | 1.0 Vp-p |
| BT-LC1513MN-B | 36V | 4.15A | 150W | ±3% | ±3% | 93% | 1.5 Vp-p |
| BT-LC1514MN-B | 48V | 3.1A | 150W | ±3% | ±3% | 93% | 2.0 Vp-p |

Notes:

1. All parameters NOT specially mentioned are measured at 115Vac input, rated load and 25°C of ambient temperature.
2. Adjustable constant voltage and constant current rang can be optional. If you require it, please contact the sales window.
3. Accuracy : Includes set up tolerance, line regulation and load regulation.
4. The efficiency is measured at 230VAC rated load.
5. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
6. The table is for model selection only. For more detail, please refer to engineering specification.

Mechanical Specification

Dimension (LxWxH) : 213*69.2*41.25mm

Case Material : Metal

AC input cable: UL2517 VW-1 105°C 300V FT1; 18AWG*3; UL94V-1; 360mm

DC output cable: UL2517 VW-1 105°C 300V FT1; 18AWG*2; UL94V-1; 340mm

UL2517 VW-1 105°C 300V; 14AWG*2; UL94V-1; 340mm (only for BT-LC151DMN-B)

Mechanical drawing :

