



100W TRV-100 Series

Switch Mode LED Drivers
Constant Voltage
Aluminum Housing

Electrical Specifications

Input Voltage Range: 100 - 277 Nom. Vac (90 - 305 V Min/Max)
 Frequency: 50/60 Hz Nom. (47-63 Hz Min/Max)
 Power Factor: >0.90 @ full load, 100V through 277V
 THD: ≤ 20% @ full load
 Input Current: 1.15 A @ 100Vac
 Maximum Power: 100W
 Line Regulation: ± 1%
 Load Regulation: ± 2%
 Typical Efficiency: 91-93% @ full load
 Turn-on Delay: 1.0S max
 Protection: Over-Voltage, Over-Current, Over-Temperature (110°C), and Short Circuit Protection with Auto Recovery

Environmental Specifications

Minimum Starting Temp: -35°C
 Maximum Case Temp. 88°C
 Storage Temperature: -40°C to +85°C
 Humidity: 5% to 100%
 Cooling: Convection
 Sound Rating: Class A
 MTBF: 335,000 Hours @ 25°C, 80% load, per MIL-HDBK-217F
 Lifetime: 50,000 Hours @ 25°C ambient



- Total Power: 100 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP67
- Ultra-high Efficiency
- High Power Factor
- UL8750

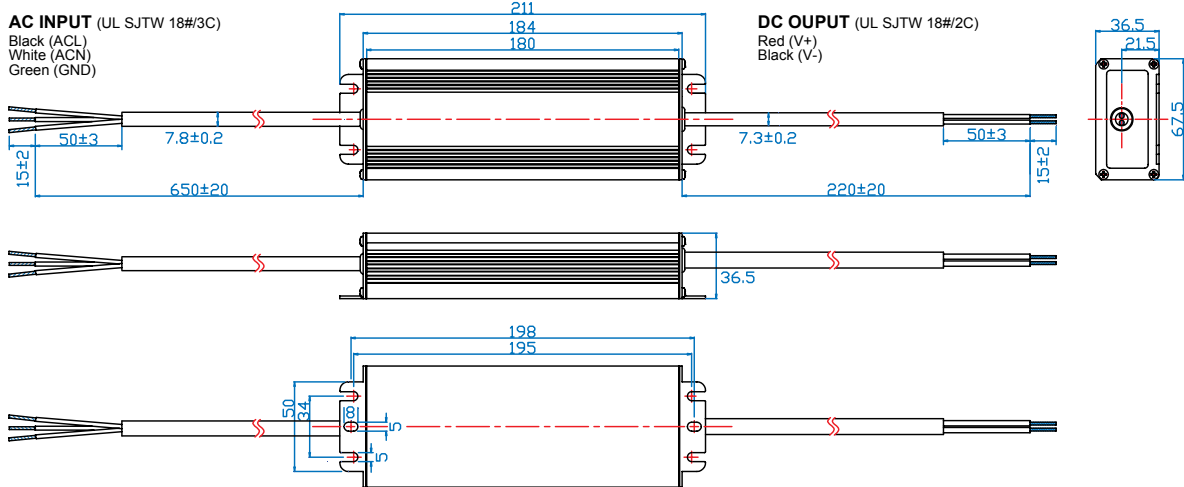
Model Number	Max. Output Current (A)	Output Voltage (Vdc)	Max. Output Power (W)	Typical Efficiency
TRV-100S012ST	8.33	12	100	91%
TRV-100S024ST	4.17	24	100	92%
TRV-100S036ST	2.77	36	100	92%
TRV-100S048ST	1.95	48	100	92%
TRV-100S054ST	1.85	54	100	93%



Note:
 LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

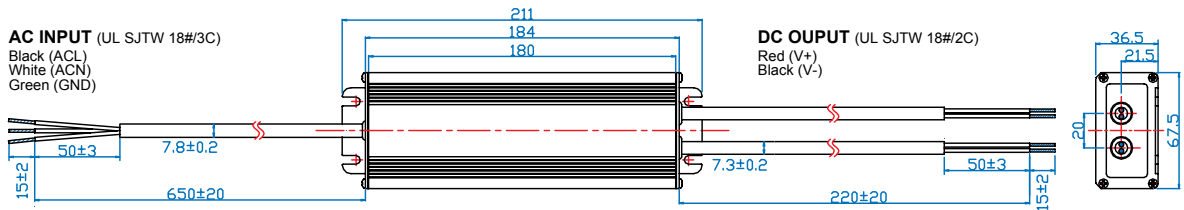
Specifications subject to change without notice.

Rev 8-28-15

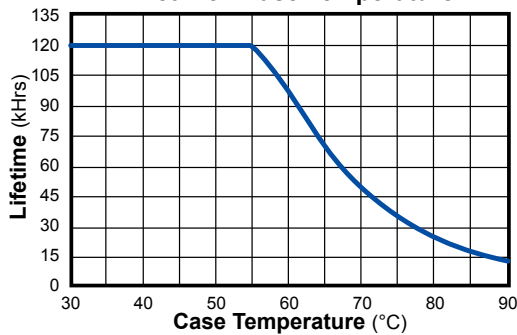


TRV-100S012ST

Note: This unit provides 2 DC output cables connected in parallel internally, because one AWG #18 wire can only carry 10A. Connect the 2 red wires together and 2 black wires together in application, or ensure that each cable carries the same current.



Lifetime / Case Temperature



Safety and EMC Compliance

CUL / CE	UL 8750, EN 61347-1, EN61347-2-13
EN 55015	Conducted emission
EN 61000-3-2	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations and flicker
EN 61000-4-2	Electrostatic discharge
EN 61000-4-3	RFE Field Susceptibility test
EN 61000-4-4	Electrical Fast Transient
EN 61000-4-5	Surge Immunity test
EN 61000-4-6	Conducted Radio Frequency
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Voltage Dips
EN 61547	Electromagnetic Immunity