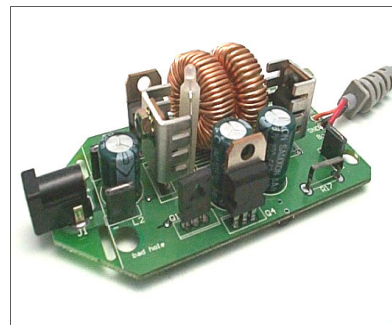


TRT chargers V2

Product Information Sheet for TRT V2 Charger.

Lithium ion / Lithium polymer Mode.

Input:	12-48V DC. (1)
Output:	As per label on bottom of turtle shell: Constant current into Li-Ion battery. Voltage limited. (3)
LED patterns (routine):	
Traffic light (red-orange-green):	System reset. Occurs at power on or connection of new battery.
Very brief orange blink:	System waiting.
Solid Orange:	Constant current phase. (2)
Orange with Green blink:	Constant voltage phase. (3)
Solid Green:	Charge Complete. (4)
LED patterns (exceptions):	
Slow orange blinking:	Trickle charge while battery volts too low. (5)
Slow red blinking:	No charge while battery too hot. (6) Charge will start automatically once battery cools. Charge will not restart if battery has overheated during charge.
Monotonous orange blinking:	Timeout. (7)
Rapid red-orange blinking:	Output paused while input volts too low. (8)
Solid red:	Fault. (9) Output shutdown.



Physical characteristics (in standard shell)

Length:	112mm
Width:	66mm
Height:	40mm
Weight:	140g

- (1) Input power supply should be of sufficient power for job.
Power consumption can be calculated by the following equation:
Input power required = ((max battery volts) x (charge current)) / 0.85.
For Li-Ion batteries, max volts = 4.2V per cell.
Power supply should have current rating = (required input power) / (min input volts).
- (2) Tolerance on constant current is +/- 10%. Current limit is customizable, contact the vendor.
- (3) Voltage limit is 4.20V per cell +/- 1%.
- (4) Nominal threshold for charge completion is battery current reduced to C/8. This threshold is customizable, contact the vendor.
- (5) Trickle charge at current limit / 4 if battery volts less than 0.8V per cell.
- (6) If temperature sensing is enabled; max start temperature is 40°C, overheating threshold is 60°C.
- (7) Tolerance on timing is +/- 5%. Time limit is customizable, contact the vendor.
- (8) Input low voltage transient limit is 10V.
- (9) Common cause is output short circuit. If fault persists, contact the vendor.

Comprehensive technical support is available; charger is highly customizable; please contact

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Accessories



Mini Adapter
24W (24V 1A)

Matchbox size wall plug adapter. Models for other countries available.



Car Adapter
Car cigarette lighter adapter



Desktop Adapter
48W (12V 4A)