SOLAR POWERED
LED FLASHING LIGHT SYSTEM

TECHNICAL DATA SHEET

PRODUCT NAME: SOLAR TRAFFIC SYSTEMS

MANUFACTURER'S CODE: **STS**
SUPPLIERS NAME: **TRAFFIC TECH PTY LTD**
REGULAR TELEPHONE NUMBER: Int + 61 2 9477 7262
ADDRESS: Unit 2, 26 Leighton Place Hornsby NSW 2077 Australia
EMERGENCY PHONE NUMBER: Int +61 (0)407 562 262
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- **Wireless Communication**
  - No Need to install cable across the roadway
  - Usable Worldwide
  - Short range radio options conform to International Standards (ISM Bands 2.4GHz or 900MHz) , minimising interference and eliminating cross talk to other signal-pairs close by. Various radio configurations can be designed to meet specific site requirements.
- Range – 50-1000 metres depending on project requirements and radio format
  - Can be varied at the site to suit road width and traffic density.
- Versatile Configuration – both facing same direction or opposite directions
  - Alternate flashing Amber OR flashing Amber/Constant Red signal.

- **Power Generation**
- Solar panel size –up to 85watts, project specific to minimize project costs
  - Per unit (2aspects)
  - Can be mounted above the flashing lights or remotely
- Battery charge life 5-7 days (average, depending on weather pattern data)
  - 12VDC
  - Low power consumption

    Standby Consumption – 100 mil Amps (cattle and high water systems)

    Lamp usage 3 hours per day, on average

- **LED Aspects**
  - Brightness Controlled based on ambient light using PWM techniques
  - Specially designed lens for compliance with ITE beam spread
- Driver circuit designed for very low component counts and very high reliability
- Uses high efficiency LED elements in string of 4, so failure of one LED will not lead to total loss of lamp optical output