

TRAFFIC DETECTION: SOLAR POWERED SYSTEMS

Intelligent Traffic Systems

Most ITS devices (intelligent traffic system) are powered by the commercial power grid. But, at some locations the expense of connecting the power is prohibitively expensive due to the distance. In other cases the ITS device is only temporary and will be moved to another local after information is gathered

Every ELTEC (solar powered) DC system supporting an ITS unit is sized by a sophisticated computer program guaranteeing sufficient power. It includes:

- Geographical location: accounts for number of sunny & cloudy days in that area
- Power generated by the solar panels at that latitude
- Power consumed by the load; guaranteeing sufficient power
- System is correctly sized: never oversized or undersized

DC solar system benefits:

- Self Contained
- Top or Side-of-Pole Mounting Rack
- No Power Interruption
- No Trenching or Boring Cable
- No Electrical Bills
- Electrical Contractors/Technicians Not Required for Installation
- High Efficiency Self Cleaning Solar Modules with 20 year warranty
- Controller with LCD Display Showing Battery Voltage, Solar Array, Output and Load Current
- Sealed Gel or AGM Sealed Deep Cycle Batteries: 5 Year Pro-rated Warranty
- Sized by Computer Program: Insures Power Generated meets/exceeds Load Requirements



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