



Solar bus stops

DST brings the solar energy to bus stops.

DST's bus stops offer a smart illumination system in both the lighting methods and the supporting electronic systems:

Advertisement Signs

Advertisement signs on bus stops have many features: They can act as a light source to the people waiting in the station, they make the bus stop more visible in the nighttime, and can provide a source of income for return on investment. DST's advertisement signs offer very high light intensity (1,500Lx), uniform lighting across the sign and maximum energy efficiency.

The advertisement sign's lighting system is micro-computer controlled and assures that it will always remain the most intense and attractive lighting according to the weather conditions. The computerized system records the length of the nights and checks the amount of energy in the batteries at the beginning of every night. The system plans the light's activity to provide maximum power when the traffic of people is maximal. In extreme cases where the energy is not sufficient to light at maximum power throughout the night, the system will reduce the amount of light accordingly.

Internal Lighting

DST's bus stations also include powerful LED lighting within the station. In order to save energy (and reduce the costs of the solar panel and batteries), the station is equipped with a volume sensor that dims the light when there are no people at the station. In stations without advertisement signs, some of the lights can optionally remain on so that the station can be seen in the dark by passengers.

Solar Panel

DST uses a novel, flexible solar panel. Thanks to its flexibility, it can be attached to the upper part of the station and remain unseen.

Smart Electronic Systems

The bus stops utilize smart charge controllers and current managers, developed by DST. These systems, which are cutting-edge in today's market, allow maximum utilization of each and every solar beam for night-time illumination. Additionally, these systems ensure an especially long life span of all of the system's components, from its batteries to its lighting devices.



DST

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