

LT-STLSOL-60W

60W All-In-One Solar LED Street Light

The LT-STLSOL-60W is an integrated solar LED street light solution, combining a high-efficiency solar panel, advanced LiFePO₄ battery, smart controller, and Philips 3030 LED chips into a single, compact, and durable unit. Designed for energy-saving, low-maintenance outdoor lighting, this fixture offers reliable dusk-to-dawn operation, intelligent motion sensing, and multiple dimming modes. It is ideal for roadways, parking lots, parks, and remote installations where grid access is limited or unavailable.

Key Features

- All-in-one design with integrated components
- High luminous efficacy (220 lm/W)
- Long-life LiFePO₄ battery with >7 years lifespan
- Smart dimming modes for energy optimization
- Dusk-to-dawn automation with motion sensor
- Resistant to dust, rain, and extreme temperatures (IP66)
- Maintenance-free design with tool-free installation



Specifications

Parameter	Specification
Part Number	LT-STLSOL-60W
Product Name	60W All-In-One Solar LED Street Light
Rated Power	60W
Luminous Output	13,200 lumens
LED Type	Philips 3030
Color Temperature	3000K–6500K
Beam Angle	140° × 70°
CRI	>70
Battery Type	LiFePO ₄ (Lithium Iron Phosphate)
Battery Capacity	30Ah / 12.8V
Charging Time	5–6 hours (full sunlight)
Solar Panel Type	Monocrystalline
Solar Panel Power	80W / 18V
Controller Features	Built-in LED driver, motion sensor, 5 dimming modes + 1 morning mode
Lighting Modes	Mode A, Mode B, Mode C
IP Rating	IP66
Material	Aluminum Alloy
Operating Temperature	-20°C to +60°C
Mounting Height	6–8 meters
Pole Compatibility	LT-STPL7M-GP

