

Solar Mobile Light Tower (MO-3100 Series)

SUOEN Factory-Direct Specification Sheet

Key Specifications

Parameter	Specification
Lamp	4 × LED floodlight, 400W each, glare-free, 50,000h life
Solar Panel	4 × 400W monocrystalline, total 1,600W, adjustable angle
Battery	LiFePO ₄ / AGM deep-cycle, 200Ah-400Ah, 12V/24V
Mast	Manual / hydraulic, 7-9 m, 360 deg rotation
Trailer	Off-road chassis, damping springs, 4 stabilizer outriggers
Runtime	Up to 3-5 nights on full solar charge (season dependent)
Hybrid Option	Solar + diesel generator dual drive, fuel-saving mode
Control	Wireless remote + manual panel, timer & dimming
Certification	CE, ISO 9001, OEM / ODM supported

Key Features

- High-efficiency monocrystalline solar panels with deep-cycle battery storage.
- Glare-free LED floodlights, single-touch mast erection to 7-9 m.
- 360 deg horizontal mast rotation covers a wide, even lit area.
- Off-road trailer chassis with damping springs for fast relocation.
- Built-in hybrid option (solar + diesel) extends runtime in low sun.

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