

Motion Sensor Solar Street Lights

PIR / Microwave Sensor | Smart Dimming | 10-25W | 6 Models

Key Features

- Intelligent motion detection — dims to 30% standby, boosts to 100% on motion
- 40-60% battery savings compared to full-brightness operation
- LiFePO4 battery with 2,000+ charge cycles
- Multiple sensor options: PIR (120°) or microwave (360°)
- IP65 rated for all-weather outdoor operation
- Ideal for residential streets, pathways, and security areas

BF-MSS-23 Series — Compact Motion Sensor

Specification	BF-MSS-23-25W	BF-MSS-23-40W	BF-MSS-23-50W
Power	10W	20W	25W
Luminous Flux	1,900 LM	3,800 LM	4,750 LM
Solar Panel	25W Mono	40W Mono	50W Mono
LED Chips	5054 × 77	5054 × 150	5054 × 200
Battery	LiFePO4 3.2V/48Wh	LiFePO4 3.2V/192Wh	LiFePO4 3.2V/240Wh
Charge Time	3H	6H	6H
Color Temp	6000±500K	6000±500K	6000±500K
Control Mode	Light+Time+Sensor	Light+Time+Sensor	Light+Time+Sensor
Install Height	3M / 10M spacing	5M / 20M spacing	6M / 20M spacing
IP Rating	IP65	IP65	IP65

BF-MSS-24 Series — High-Lumen Motion Sensor

Specification	BF-MSS-24-25W	BF-MSS-24-30W	BF-MSS-24-35W
Power	10W	15W	20W
Luminous Flux	5,700 LM	11,400 LM	15,200 LM
Solar Panel	25W Mono	30W Mono	35W Mono
LED Chips	5054 × 60	5054 × 95	5054 × 130
Battery	LiFePO4 3.2V/64Wh	LiFePO4 3.2V/80Wh	LiFePO4 3.2V/96Wh
Charge Time	5H	5.5H	5H
Color Temp	6000±500K	6000±500K	6000±500K
Control Mode	Light+Time+Sensor	Light+Time+Sensor	Light+Time+Sensor
Dimensions	515×340×70mm	600×340×70mm	675×340×70mm
IP Rating	IP65	IP65	IP65