

All-in-One Solar Street Lights

LiFePO4 Battery | MPPT Controller | 12-40W | 13 Models

Key Features

- Integrated all-in-one design — solar panel, battery, LED, and controller in a single unit
- LiFePO4 battery with 2,000+ charge cycles and 8-10 year lifespan
- MPPT controller for 30% higher solar conversion efficiency
- Dusk-to-dawn automatic operation with intelligent dimming profiles
- IP65 ingress protection — dust-tight and water-jet resistant
- Tool-free installation — mount to any standard pole in under 15 minutes

BF-SSL-20 Series — Compact Entry Level

Specification	BF-SSL-20-45W	BF-SSL-20-65W	BF-SSL-20-90W
Power	12W	20W	30W
Luminous Flux	2,280 LM	3,800 LM	5,700 LM
Solar Panel	45W Mono	65W Mono	90W Mono
LED Chips	5054 × 100	5054 × 200	5054 × 300
Battery	LiFePO4 3.2V/144Wh	LiFePO4 3.2V/240Wh	LiFePO4 3.2V/336Wh
Charge Time	4H	4.5H	4.7H
Color Temp	6000±500K	6000±500K	6000±500K
Control Mode	Light + Time	Light + Time	Light + Time
Install Height	4M / 15M spacing	6M / 22M spacing	8M / 28M spacing
Dimensions	800×340×86mm	910×400×86mm	1170×400×86mm
IP Rating	IP65	IP65	IP65

BF-SSL-21 Series — Wide-Beam Commercial

Specification	BF-SSL-21-65W	BF-SSL-21-90W	BF-SSL-21-120W
Power	20W	30W	35W
Luminous Flux	2,280 LM	2,850 LM	3,800 LM
Solar Panel	65W Mono	90W Mono	120W Mono
LED Chips	3030 × 108	3030 × 144	3030 × 180
Battery	LiFePO4 3.2V/240Wh	LiFePO4 3.2V/288Wh	LiFePO4 3.2V/384Wh
Charge Time	5H	4.5H	4.8H
Color Temp	6000±500K	6000±500K	6000±500K
Control Mode	Light + Time	Light + Time	Light + Time
Install Height	6M / 15M spacing	7M / 20M spacing	8M / 25M spacing
Dimensions	910×400×175mm	1168×400×175mm	1528×400×187mm
IP Rating	IP65	IP65	IP65

BF-SSL-22 Series — High-Power Heavy Duty

Specification	BF-SSL-22-60W	BF-SSL-22-80W	BF-SSL-22-120W
Power	20W	30W	40W
Luminous Flux	2,280 LM	2,850 LM	4,750 LM
Solar Panel	60W Mono	80W Mono	120W Mono
LED Chips	5054 x 120	5054 x 180	5054 x 300
Battery	LiFePO4 3.2V/240Wh	LiFePO4 3.2V/288Wh	LiFePO4 3.2V/480Wh
Charge Time	5H	4.5H	5H
Color Temp	6000±500K	6000±500K	6000±500K
Control Mode	Light + Time	Light + Time	Light + Time
Install Height	6M / 15M spacing	7M / 20M spacing	9M / 32M spacing
Dimensions	840x400x195mm	1110x400x195mm	1598x400x195mm
IP Rating	IP65	IP65	IP65

BF-SSL-P Series — Premium Aluminum Shell

Specification	BF-SSL-P-65W	BF-SSL-P-100W	BF-SSL-P-125W	BF-SSL-P-135W
Power	30W	50W	80W	100W
Luminous Flux	4,500 LM	6,000 LM	8,600 LM	9,500 LM
Solar Panel	65W Mono	100W Mono	125W Mono	135W Mono
LED Chips	3030 x 50	3030 x 100	3030 x 150	3030 x 200
Battery	LiFePO4 12.8V/384Wh	LiFePO4 12.8V/576Wh	LiFePO4 12.8V/768Wh	LiFePO4 25.6V/1024Wh
Charge Time	6H	5.8H	6H	7.5H
Color Temp	6000±500K	6000±500K	6000±500K	6000±500K
Control Mode	Light+Time+Sensor	Light+Time+Sensor	Light+Time+Sensor	Light + Time
Install Height	6-7M	7-8M	9M	10M
Dimensions	1122x387x86mm	1532x387x86mm	1682x445x86mm	1792x445x86mm
IP Rating	IP65	IP65	IP65	IP65

Beamfact Lighting Technology Co., Ltd.

www.beamfact.com

contact@beamfact.com | +86 13777840059 | WhatsApp: +86 138-2691-7788

CE | IP65 | RoHS | UN38.3