DUAK®

Smart Energy Solution

SOLAR STREET LIGHT

CLEAN ENERGY FOR SMART CITIES



Glass Model
10W – 30W



Mini Bolt
10W – 15W



LED Fixture
10W – 30W



All-in-One
12W – 30W

Solar Powered | High Lumen LED | Long Backup | IP65/IP66 Protection | Low Maintenance | Durable & Reliable

DUAK ENERGY PVT. LTD.

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A-5, Udyog Vihar, Road No. 17,
VKI Area, Jaipur, Rajasthan – 302013

DUAK®
Smart Energy Solution

Solar Street Light



Glass Model
Solar Street Light

High Performance | Durable | Energy Efficient



Available Models

10W | 12W | 15W
18W | 25W | 30W

Technical Specifications

Parameters	10W	12W	15W	18W	25W	30W
LED Power	10W	12W	15W	18W	25W	30W
Lumen Output	1500	1500	2000	2300	3200	3800
Solar Panel (Wp)	40W	40W	40W	50W	60W	75W
Panel MPP Voltage	19V	19V	19V	19V	19V	19V
Battery ($LiFePO_4$)	12.8V LFP (Lithium Ferro Phosphate)					
Battery Capacity	12Ah	12Ah	18Ah	18Ah	24Ah	30Ah
LED Driver Efficiency	> 92%					
Solar Charging Time	6 Hours					
Backup	2 Nights					
Mounting Height	5 Meter (10W – 15W)			6 Meter (18W – 30W)		

General Specifications

Colour Temperature
6000K – 6500K

Humidity Range
0 to 95%

Protection Rating
IP65 / IP66

Working Temperature
-25°C to 65°C

LED Working Life
More than 50,000 Hours

Warranty
3 to 5 Years (System)

Battery Type
12.8V $LiFePO_4$ (LFP)

Mounting
Pole Top / Side Mount

Key Features

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Mini Bolt
Solar Street Light

Compact • Durable • High Performance



Available Models
10W | 12W | 15W

Technical Specifications

Parameters	10W	12W	15W
LED Power	10W	12W	15W
Lumen Output	1500	1500	2000
Solar Panel (Wp)	40W	40W	40W
Panel MPP Voltage	19V	19V	19V
Battery ($LiFePO_4$)	12.8V LFP (Lithium Ferro Phosphate)		
Battery Capacity	12Ah	12Ah	18Ah
LED Driver Efficiency	> 92 %		
Solar Charging Time	6 Hours		
Backup	2 Nights		
Mounting Height	5 Meter		

General Specifications

- **Colour Temperature** 6000K – 6500K
- **Humidity Range** 0 to 95%
- **Protection Rating** IP65 / IP66
- **Working Temperature** -25°C to 65°C
- **LED Working Life** More than 50,000 Hours
- **Warranty** 3 to 5 Years (System)
- **Battery Type** 12.8V $LiFePO_4$ (LFP)
- **Mounting** Pole Top / Side Mount

Key Features

Solar Powered | High Lumen LED | Long Backup | IP65/IP66 Protection | Low Maintenance | Durable & Reliable

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Solar Street Light



LED Fixture
Solar Street Light

High Lumen | Rugged Design | Long Backup



Available Models

25W | 30W

Technical Specifications

Parameters	25W	30W
LED Power	25W	30W
Lumen Output	3200	3800
Solar Panel (Wp)	60W	75W
Panel MPP Voltage	19V	19V
Battery ($LiFePO_4$)	12.8V LFP (Lithium Ferro Phosphate)	
Battery Capacity	24Ah	30Ah
LED Driver Efficiency	> 92 %	
Solar Charging Time	6 Hours	
Backup	2 Nights	
Mounting Height	6 Meter	

General Specifications

- **Colour Temperature** 6000K – 6500K
- **Humidity Range** 0 to 95%
- **Protection Rating** IP65 / IP66
- **Working Temperature** –25°C to 65°C
- **LED Working Life** More than 50,000 Hours
- **Warranty** 3 to 5 Years (System)
- **Battery Type** 12.8V $LiFePO_4$ (LFP)
- **Mounting** Pole Top / Side Mount

Key Features

Solar Powered | High Lumen LED | Long Backup | IP65/IP66 Protection | Low Maintenance | Durable & Reliable

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All-in-One
Solar Street Light

Integrated Design | Easy Installation | High Efficiency



Available Models
12W – 30W

Technical Specifications

Parameters	12W	15W	18W	25W	30W
LED Power	12W	15W	18W	25W	30W
Lumen Output	1500	2000	2300	3200	3800
Solar Panel (Wp)	40W	40W	50W	60W	75W
Panel MPP Voltage	19V	19V	19V	19V	19V
Battery ($LiFePO_4$)	12.8V LFP (Lithium Ferro Phosphate)				
Battery Capacity	12Ah	18Ah	18Ah	24Ah	30Ah
LED Driver Efficiency	> 92 %				
Solar Charging Time	6 Hours				
Backup	2 Nights				
Mounting Height	5 Meter			6 Meter	

General Specifications

Colour Temperature
6000K – 6500K

Humidity Range
0 to 95%

Protection Rating
IP65 / IP66

Working Temperature
-25°C to 65°C

LED Working Life
More than 50,000 Hours

Warranty
3 to 5 Years (System)

Battery Type
12.8V $LiFePO_4$ (LFP)

Mounting
Integrated Pole Mount

Key Features

- All-in-One Integrated Design
- Quick & Easy Installation
- Long Backup
- IP65/IP66 Protection
- High Lumen LED
- Durable & Reliable

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Applications

Reliable Solar Street Lighting for Multiple Areas



Road & Highway



Residential Areas



Industrial Areas



Parks & Public Places



Parking Areas



Rural & Village Areas

Why Choose DUAK?

- Solar Powered
- High Lumen LED
- Long Backup
- IP65/IP66 Protection
- Low Maintenance
- Durable & Reliable

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