



SOLOTRONICS

TECHNOLOGIES PVT LTD

Think Solar, Think Solotronics

TECHNICAL DATA SHEET

SOLAR TRAFFIC BLINKER

(SOLAR POWERED WARNING LIGHT)

	PRODUCT NAME	Solar Traffic Blinker
	MODEL	SOL-TB-20W
	WATTAGE (LED)	12-20 Watt
	LED TYPE	High Brightness SMD LED
	LED COLOR	Amber / Red (Single Color)
	LUMINOUS INTENSITY	$\geq 1000-1500$ Cd
	FLASHING MODE	Steady / Flash (Selectable)
	BATTERY TYPE	LiFePO4 (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 12Ah
	BATTERY BACKUP	2 Days Autonomy (Without Sunlight)
	SOLAR PANEL	20W Monocrystalline
	SOLAR PANEL EFFICIENCY	$\geq 21\%$
	CHARGING TIME	5-6 Hours (Bright Sunlight)
	CONTROLLER	MPPT Based Intelligent Controller
	WORKING MODE	Day: Charging Night: Auto Blink
	FLASHING PATTERN	Adjustable (Steady / Flash)
	IP RATING	IP65
	VIEWING ANGLE	120°
	OPERATING TEMPERATURE	-10°C to +60°C
	MOUNTING TYPE	Pole / Wall Mount
	MATERIAL	Anti-Corrosion Aluminium Alloy
	COLOUR	Black (Body) with Amber/Red Lens
	LIFE SPAN (LED)	50,000 Hours
	WARRANTY	2 Years (Complete System)



KEY ADVANTAGES

SOLAR POWERED Zero Electricity Cost	AUTO ON/OFF Charges in Day, Works at Night	LONG BACKUP Up to 21 Days Autonomy	LOW MAINTENANCE Durable & Reliable Performance	ALL WEATHER IP65 Protection

ADVANCED FEATURES

HIGH VISIBILITY LED Light	DUAL COLOR Amber / Red	ENERGY EFFICIENT Solar + Battery	EASY INSTALLATION Pole / Wall Mount	DURABLE & SAFE IP65 Protection

AVAILABLE MODELS

MODEL	LED COLOR	LED WATTAGE	SOLAR PANEL	BATTERY	APPLICATION
SOL-TB-10W	Amber / Red	10 Watt	15W	12.8V / 7Ah	Roads, Crossings
SOL-TB-20W	Amber / Red	20 Watt	20W	12.8V / 12Ah	Roads, Highways
SOL-TB-30W	Amber / Red	30 Watt	30W	12.8V / 18Ah	Highways, Junctions
SOL-TB-40W	Amber / Red	40 Watt	40W	12.8V / 24Ah	Highways, Intersections





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TECHNICAL DATA SHEET

20W SOLAR STREET LIGHT WITH CCTV CAMERA

SMART SECURITY • SMART LIGHTING • SMART FUTURE

	PRODUCT NAME	Solar Street Light with CCTV Camera
	MODEL	Solar CCTV Street Light - 20W
	LED WATTAGE	20 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140-150 Lm/W
	TOTAL LUMEN OUTPUT	2800-3000 Lumens
	COLOR TEMPERATURE (CCT)	3000K / 4000K / 6500K (Warm White / Neutral White / Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 18Ah
	BATTERY BACKUP	12-14 Hours (Full Night Operation)
	SOLAR PANEL	60 Watt Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5-6 Hours (Bright Sunlight)
	CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	CAMERA RESOLUTION	2MP Full HD 1080P
	CAMERA TYPE	IP PTZ Camera
	CAMERA FEATURES	360° Rotation, Night Vision, IR Range 20-30m
	VIDEO COMPRESSION	H.265
	STORAGE	Support up to 128GB SD Card
	CONNECTIVITY	4G / WiFi (Optional)
	VIEWING APP	iCSee / V380 Pro / Tuya Smart
	IP RATING	IP66
	HOUSING MATERIAL	Aluminium Alloy (Die Cast)
	FINISH	UV Resistant Powder Coating
	MOUNTING HEIGHT	4-6 Meter
	INSTALLATION	Easy Pole / Wall Mounting
	WIND RESISTANCE	Up to 180 Km/h (Pole Dependent)
	OPERATING TEMPERATURE	-10°C to +60°C
	APPLICATION	Roads, Streets, Highways, Parks, Societies, Campus, Industrial Areas, Parking Areas, Public Places, etc.
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



KEY ADVANTAGES



SOLAR POWERED
Clean & Renewable Energy



CCTV SECURITY
24x7 Surveillance for Safety



ZERO ELECTRICITY BILL
Save Money, Save Future



SMART MONITORING
Live View & Alerts on Mobile

ADVANCED FEATURES



NIGHT VISION
Auto IR



MOTION DETECTION
Smart Alerts



CLOUD STORAGE
(Optional)



TWO WAY AUDIO
(Optional)



SD CARD SUPPORT
Up to 128GB



IP66 RATED
Dust Tight | Water Resistant



LiFePO₄ BATTERY
Long Life, Safe & Reliable



MPPT CONTROLLER
Maximum Power Point Tracking



MADE IN INDIA

AVAILABLE MODELS

MODEL	LED WATTAGE	BATTERY (LiFePO ₄)	SOLAR PANEL	CAMERA	LUMENS	BACKUP
SOL-CCTV-20W	20 Watt	12.8V / 18Ah	60 Watt	2MP PTZ	2800-3000	12-14 Hours
SOL-CCTV-30W	30 Watt	12.8V / 24Ah	75 Watt	2MP PTZ	4200-4800	12-14 Hours
SOL-CCTV-40W	40 Watt	12.8V / 30Ah	100 Watt	2MP PTZ	5600-6000	12-14 Hours
SOL-CCTV-60W	60 Watt	12.8V / 42Ah	120 Watt	2MP PTZ	8400-9000	12-14 Hours





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TECHNICAL DATA SHEET

DECORATIVE STREET LIGHT POLE

ELEGANT DESIGN • DURABLE PERFORMANCE • ENHANCES BEAUTY

TECHNICAL SPECIFICATIONS

	PRODUCT NAME	Decorative Street Light Pole
	LIGHT WATTAGE	50 Watt
	LIGHT TYPE	Decorative Handi Light
	POLE MATERIAL	MS / GI with Powder Coated
	POLE HEIGHT	8 Feet (Standard) (Customizable 6ft to 12ft)
	ARM TYPE	Decorative Double Arm
	ARM MATERIAL	MS Pipe with Decorative Bend
	FINISH	Powder Coated (Anti Corrosion)
	POLE COLOR	Black / Customizable
	BASE TYPE	Casting Base
	BASE MATERIAL	Cast Iron / Ductile Iron
	FOUNDATION	RCC Foundation with Anchor Bolts
	LIGHT FIXING	Top Mounted (Handi Type)
	DIFFUSER	Clear / Opal Glass
	PROTECTION	Rust Proof, Weather Resistant
	IP RATING	IP65
	OPERATING VOLTAGE	100 – 270V AC, 50/60 Hz
	OPERATING TEMP.	-10°C to +50°C
	WARRANTY	2 Years
	APPLICATION	Parks, Streets, Garden, Pathways, Residential Areas, Commercial Areas, Resorts, Townships
	COUNTRY OF ORIGIN	MADE IN INDIA



DECORATIVE HANDI
LIGHT
Elegant & Traditional
Design



STRONG & DURABLE
MS / GI Pole with
Powder Coating



RUST & CORROSION
RESISTANT
Long Life in All
Weather Conditions



EASY INSTALLATION
Simple & Hassle
Free Setup



ENERGY EFFICIENT
Saves Electricity &
Maintenance

KEY FEATURES



ATTRACTIVE
DESIGN



WEATHER
RESISTANT



DURABLE &
STRONG



LOW
MAINTENANCE



ECO
FRIENDLY



PREMIUM
FINISH

MATERIAL & FINISH DETAILS



MS / GI PIPE



POWDER COATED
FINISH



CASTING BASE

APPLICATIONS



PARKS &
GARDENS



STREETS &
ROADS



RESIDENTIAL
AREAS



COMMERCIAL
AREAS



RESORTS &
HOTELS



TOWNSHIPS

DIMENSIONS



Overall Height (H)	: 8 Feet (Standard)
Pole Top Diameter	: 60 mm
Pole Bottom Diameter	: 114 mm
Pole Thickness	: 3.0 mm
Arm Length	: 650 mm (Each Side)
Base Height	: 500 mm
Base Diameter	: 220 mm
Base Plate	: 250 mm x 250 mm x 10 mm
Anchor Bolt Size	: M16 x 350 mm (4 Nos.)





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TECHNICAL DATA SHEET

ELECTRIC HIMAST LIGHT POLE

HIGH MAST SOLUTION FOR WIDE AREA ILLUMINATION

TECHNICAL SPECIFICATIONS

	PRODUCT NAME	Electric Himast Light Pole
	APPLICATION	High Mast Area Lighting
	LIGHT SOURCE	LED Flood Light
	LIGHT WATTAGE	50 Watt to 600 Watt (As per Requirement)
	LIGHT QUANTITY	8 to 16 Nos (As per Requirement)
	INPUT VOLTAGE	100 – 277V AC, 50/60 Hz
	POLE HEIGHT	16 Meter to 30 Meter (Customizable)
	POLE SHAPE	Octagonal / Polygonal (Tapered)
	POLE MATERIAL	MS / GI Steel
	FINISH	Hot Dip Galvanized + Powder Coated
	POLE COLOR	Silver Grey / Customized
	BASE TYPE	Direct Burial / Flange Base
	BASE MATERIAL	MS Plate
	FOUNDATION	RCC Foundation with Anchor Bolts
	LIFTING SYSTEM	Manual / Motorized (Optional)
	WIND SPEED RESISTANCE	Up to 180 km/h
	OPERATING TEMPERATURE	-10°C to +50°C
	PROTECTION	Short Circuit, Over Voltage, Surge Protection
	IP RATING	IP65 (Light Fitting)
	INSULATION CLASS	Class I
	WARRANTY	2 Years (Pole & Light Fitting)
	COUNTRY OF ORIGIN	MADE IN INDIA



POWERFUL ILLUMINATION
High Efficiency LED Flood Lights
for Maximum Brightness



HIGH MAST DESIGN
Illuminates Large Areas
Effectively



STRONG & DURABLE
Robust Construction
for Long Life



WEATHER RESISTANT
Designed to Withstand
Harsh Environment



LOW MAINTENANCE
Reliable Performance with
Minimal Maintenance



SAFE & RELIABLE
Built with Safety &
Quality Standards



ENERGY EFFICIENT
Saves Electricity &
Reduces Cost

KEY FEATURES



IDEAL FOR
LARGE AREAS



HIGH WIND
RESISTANCE



UNIFORM LIGHT
DISTRIBUTION



RUST & CORROSION
RESISTANT

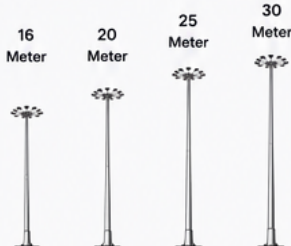


EASY TO
INSTALL

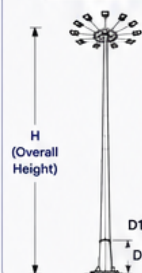


ENERGY
EFFICIENT

AVAILABLE POLE HEIGHTS

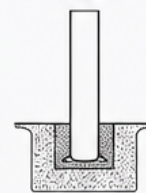


DIMENSIONS & STRUCTURE

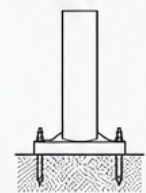


Shape	: Octagonal / Polygonal
Top Diameter (D1)	: 165 mm
Bottom Diameter (D2)	: 360 mm
Thickness	: 3 mm – 6 mm (As per Height)
Base Plate	: 450 mm x 450 mm x 16 mm
Anchor Bolt Size	: M24 x 800 mm (4 Nos.)
Foundation Size	: As per IS Code
Height (mtr)	: 16 mtr to 30 mtr (Customizable)

POLE BASE TYPE (OPTIONS)



DIRECT BURIAL



FLANGE BASE

*Foundation design shall be as per site conditions & IS Code.

APPLICATIONS



HIGHWAYS &
EXPRESSWAYS



AIRPORTS



PORTS &
DOCKS



INDUSTRIAL
AREAS



RAILWAY
YARDS



SPORTS
STADIUMS



TOLL PLAZAS



PARKING
AREAS



PUBLIC
PLACES



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MAKE IN
INDIA

ISO
9001:2015
CERTIFIED

BIS
CERTIFIED

RoHS
COMPLIANT

Think Solar,
Think Solotronics



SOLOTRONICS

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TECHNICAL DATA SHEET

ALL IN ONE SOLAR STREET LIGHT

	BRAND / MAKE	SOLOTRONICS
	MODEL	All In One Solar Street Light
	LED WATTAGE	30 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140–150 Lm/W
	TOTAL LUMEN OUTPUT	4200–4500 Lumens
	COLOR TEMPERATURE (CCT)	5700K – 6500K (Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 24Ah
	BATTERY BACKUP	12–14 Hours (Full Night Operation)
	SOLAR PANEL	80 Watt Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5–6 Hours (Bright Sunlight)
	CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	IP RATING	IP65
	HOUSING MATERIAL	Aluminum Alloy (Die Cast)
	FINISH	UV Resistant Powder Coating
	OPERATING TEMPERATURE	-10°C to +60°C
	MOUNTING HEIGHT	6–8 Meter
	INSTALLATION	Easy Pole Mounting
	WIND RESISTANCE	Up to 180 Km/h (Pole Dependent)
	APPLICATION	Roads, Streets, Parks, Gardens, Campuses, Industrial Areas, Village Roads, Parking Areas
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



ALL IN ONE DESIGN
Easy Installation & Maintenance



LiFePO₄ BATTERY
Long Life, Safe & Reliable



MPPT CONTROLLER
Maximum Power Point Tracking



HIGH EFFICIENCY SOLAR PANEL
Clean & Renewable Energy



IP65 RATED
Dust Tight | Water Resistant



AUTO DUSK TO DAWN
Smart Sensor Based Operation

AVAILABLE MODELS

LIGHT WATTAGE	BATTERY SPECIFICATION	SOLAR PANEL	LUMENS
9 Watt	6 Ah LiFePO ₄	30 Watt	1260
12 Watt	12 Ah LiFePO ₄	40 Watt	1680
20 Watt	18 Ah LiFePO ₄	60 Watt	2800
30 Watt	24 Ah LiFePO₄	80 Watt	4200
40 Watt	36 Ah LiFePO ₄	120 Watt	5600
50 Watt	48 Ah LiFePO ₄	165 Watt	7000





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TECHNICAL DATA SHEET

20W SOLAR HYBRID STREET LIGHT

SOLAR + GRID HYBRID TECHNOLOGY

	PRODUCT NAME	Solar Hybrid Street Light
	MODEL	Solar Hybrid Street Light - 20W
	LED WATTAGE	20 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140–150 Lm/W
	TOTAL LUMEN OUTPUT	2800–3000 Lumens
	COLOR TEMPERATURE (CCT)	3000K / 4000K / 6500K (Warm White / Neutral White / Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 18Ah
	BATTERY BACKUP	12–14 Hours (Full Night Operation)
	SOLAR PANEL	40 Watt Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5–6 Hours (Bright Sunlight)
	HYBRID CHARGING	Solar + Grid (AC Mains 230V, 50Hz)
	CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	IP RATING	IP65
	HOUSING MATERIAL	Aluminium Alloy (Die Cast)
	FINISH	UV Resistant Powder Coating
	OPERATING TEMPERATURE	–10°C to +60°C
	MOUNTING HEIGHT	4–6 Meter
	INSTALLATION	Easy Pole / Wall Mounting
	WIND RESISTANCE	Up to 180 Km/h (Pole Dependent)
	APPLICATION	Roads, Streets, Parks, Campus, Societies, Pathways, Villages, Parking Areas, Industrial Areas
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



HYBRID ADVANTAGE



SOLAR POWER
Charges battery during daytime



GRID POWER
Ensures backup during low sunlight or rain



SOLAR POWERED
Clean & Renewable Energy



LiFePO₄ BATTERY
Long Life, Safe & Reliable



MPPT CONTROLLER
Maximum Power Point Tracking



IP65 RATED
Dust Tight | Water Resistant



AUTO DUSK TO DAWN
Smart Sensor Based Operation



HYBRID CHARGING
Solar + Grid (AC Mains)

AVAILABLE MODELS

MODEL	LED WATTAGE	BATTERY (LiFePO ₄)	SOLAR PANEL	LUMENS	BACKUP
SOL-HY-12W	12 Watt	12.8V / 12Ah	25 Watt	1680–1920	12+ Hours
SOL-HY-20W	20 Watt	12.8V / 18Ah	40 Watt	2800–3000	12–14 Hours
SOL-HY-30W	30 Watt	12.8V / 24Ah	60 Watt	4200–4800	12–14 Hours
SOL-HY-40W	40 Watt	12.8V / 30Ah	75 Watt	5600–6000	12–14 Hours
SOL-HY-60W	60 Watt	12.8V / 42Ah	100 Watt	8400–9000	12–14 Hours





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TECHNICAL DATA SHEET

SOLAR HOME LIGHT SYSTEM

CLEAN ENERGY • RELIABLE LIGHT • BETTER TOMORROW

TECHNICAL SPECIFICATIONS

	PRODUCT NAME	Solar Home Light System
	MODEL	SOL-HLS-18
	LED BULB	7 Watt LED Bulb × 3 Nos
	TOTAL POWER (LOAD)	21 Watt
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 18Ah
	SOLAR PANEL	60 Watt Monocrystalline
	CHARGING TIME	5 – 6 Hours (Bright Sunlight)
	BACKUP TIME	Up to 12 Hours (After Full Charge)
	CHARGING PORT	Yes (Mobile Charging Supported)
	OUTPUT	DC 12V Output for Bulbs USB 5V Output for Mobile Charging
	SWITCH	Individual Switch for Each Bulb
	INDICATOR	Battery Level Indicator
	SYSTEM VOLTAGE	12.8V DC
	OPERATING TEMPERATURE	-10°C to +50°C
	PROTECTION	Over Charge, Over Discharge, Short Circuit, Reverse Polarity
	MATERIAL	ABS Body (High Quality)
	DIMENSION (UNIT)	L 200mm × W 150mm × H 90mm (Approx.)
	WEIGHT (SYSTEM)	3.2 Kg (Approx.)
	APPLICATION	Home, Rural Area, Camping, Emergency, Outdoor, Study
	WARRANTY	2 Years (Complete System*)



KEY FEATURES

- High Efficiency Mono Solar Panel
- Long Life LiFePO₄ Battery
- Bright 7W LED Bulbs
- USB Charging for Mobile
- Easy to Use & Portable
- Eco-Friendly & Cost Saving

WHY CHOOSE US?

- Reliable Performance
- Low Maintenance
- Safe & Durable
- Energy Saving
- Made in India
- 2 Years Warranty

APPLICATIONS



Home Lighting



Study & Reading



Power Cuts



Camping



Rural Areas



Emergency Use



Outdoor Activities

SYSTEM SPECIFICATION SUMMARY

MODEL	LIGHT (LED BULB)	BATTERY	SOLAR PANEL	CHARGING PORT	CHARGING TIME	BACKUP TIME
SOL-HLS-18	7 Watt × 3 Nos	12.8V / 18Ah	60 Watt Mono	Yes (USB 5V)	5 – 6 Hours	Up to 12 Hours



ZERO ELECTRICITY
BILL



ENVIRONMENT
FRIENDLY



HIGH EFFICIENCY
SOLAR PANEL



LITHIUM BATTERY
LONG LIFE



SAFE &
RELIABLE



PORTABLE &
EASY TO USE



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TECHNICAL DATA SHEET

SOLAR HIMAST LIGHT POLE

(50W X 4 NOS)

	PRODUCT NAME	Solar Himast Light Pole
	LIGHT CONFIGURATION	50 Watt X 4 NOS
	TOTAL POWER	200 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140–150 Lm/W
	TOTAL LUMEN OUTPUT	28000–30000 Lumens
	COLOR TEMPERATURE (CCT)	5700K – 6500K (Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	42 Ah X 4 NOS (12.8V)
	BATTERY ENERGY	2150 Wh
	BATTERY BACKUP	12–14 Hours (Full Night Operation)
	SOLAR PANEL	165 Watt X 4 NOS
	TOTAL SOLAR PANEL POWER	660 Watt
	SOLAR PANEL TYPE	Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5–6 Hours (Bright Sunlight)
	CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	POLE HEIGHT	12 / 16 Meter (Available)
	POLE TYPE	Octagonal / Tubular (Heavy Duty)
	POLE MATERIAL	Galvanized Steel (Hot Dip Galvanized)
	MOUNTING	Flange Base with Foundation
	IP RATING	IP66
	WIND RESISTANCE	Up to 180 Km/h
	OPERATING TEMPERATURE	–10°C to +60°C
	APPLICATION	Highways, Stadiums, Large Parking, Industrial Areas, Public Places, Parks, Airports, Toll Plazas, etc.
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



SOLAR POWERED
Clean & Renewable Energy



LiFePO₄ BATTERY
Long Life, Safe & Reliable



MPPT CONTROLLER
Maximum Power Point Tracking



IP66 RATED
Dust Tight | Water Resistant



AUTO DUSK TO DAWN
Smart Sensor Based Operation

AVAILABLE MODELS

CONFIGURATION	LIGHT POWER	BATTERY (LiFePO ₄)	SOLAR PANEL	POLE HEIGHT	BACKUP	APPLICATION
30W X 4 NOS	120 Watt	24 Ah X 4 NOS	100 Watt X 4 NOS	10 / 12 Meter	10–12 Hours	Parks, Roads
50W X 4 NOS	200 Watt	42 Ah X 4 NOS	165 Watt X 4 NOS	12 / 16 Meter	12–14 Hours	Highways, Industrial
60W X 4 NOS	240 Watt	60 Ah X 4 NOS	200 Watt X 4 NOS	16 / 18 Meter	12–16 Hours	Stadium, Airport
100W X 4 NOS	400 Watt	100 Ah X 4 NOS	330 Watt X 4 NOS	18 / 20 Meter	13–15 Hours	Toll Plaza, Large Area





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20W SOLAR FLOOD LIGHT

	BRAND / MAKE	SOLOTRONICS
	MODEL	Solar Flood Light – 20W
	LED WATTAGE	20 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140–150 Lm/W
	TOTAL LUMEN OUTPUT	2800–3000 Lumens
	COLOR TEMPERATURE (CCT)	5700K – 6500K (Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 18Ah
	BATTERY BACKUP	12–14 Hours (Full Night Operation)
	SOLAR PANEL	60 Watt Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5–6 Hours (Bright Sunlight)
	CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	IP RATING	IP66
	HOUSING MATERIAL	Pressure Die Cast Aluminium
	FINISH	UV Resistant Powder Coating
	OPERATING TEMPERATURE	-10°C to +60°C
	INSTALLATION	Wall / Pole / Surface Mounting
	MOUNTING HEIGHT	3–6 Meter
	WIND RESISTANCE	Up to 180 Km/h (Pole Dependent)
	APPLICATION	Gardens, Building Facades, Billboards, Parks, Industrial Areas, Stadiums, Warehouses, Parking Areas, Security Lighting, Construction Sites
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



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Clean & Renewable Energy



LiFePO₄ BATTERY
Long Life, Safe & Reliable



MPPT CONTROLLER
Maximum Power Point Tracking



IP66 RATED
Dust Tight | Water Resistant



AUTO DUSK TO DAWN
Smart Sensor Based Operation

AVAILABLE MODELS

LIGHT WATTAGE	BATTERY SPECIFICATION	SOLAR PANEL	LUMENS
10 Watt	6 Ah LiFePO ₄	20 Watt	1260
20 Watt	18 Ah LiFePO₄	60 Watt	2800
30 Watt	24 Ah LiFePO ₄	80 Watt	4200
50 Watt	48 Ah LiFePO ₄	120 Watt	5600
100 Watt	60 Ah LiFePO ₄	160 Watt	8400



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20W SOLAR DECORATIVE LIGHT

	BRAND / MAKE	SOLOTRONICS
	MODEL	Solar Decorative Light – 20W
	LED WATTAGE	20 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140–150 Lm/W
	TOTAL LUMEN OUTPUT	2800–3000 Lumens
	COLOR TEMPERATURE (CCT)	3000K / 4000K / 6500K (Warm White / Neutral White / Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 18Ah
	BATTERY BACKUP	12–14 Hours (Full Night Operation)
	SOLAR PANEL	60 Watt Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5–6 Hours (Bright Sunlight)
	CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	IP RATING	IP65
	HOUSING MATERIAL	Aluminium Alloy (Die Cast)
	FINISH	UV Resistant Powder Coating
	OPERATING TEMPERATURE	–10°C to +60°C
	MOUNTING HEIGHT	3–5 Meter
	INSTALLATION	Easy Pole / Wall Mounting
	WIND RESISTANCE	Up to 180 Km/h (Pole Dependent)
	APPLICATION	Parks, Gardens, Pathways, Resorts, Streets, Society, Campus, Villas, Landscapes, Walkways
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



SOLAR POWERED
Clean & Renewable Energy



LiFePO₄ BATTERY
Long Life, Safe & Reliable



MPPT CONTROLLER
Maximum Power Point Tracking



IP65 RATED
Dust Tight | Water Resistant



AUTO DUSK TO DAWN
Smart Sensor Based Operation

AVAILABLE MODELS

LIGHT WATTAGE	BATTERY SPECIFICATION	SOLAR PANEL	LUMENS
10 Watt	6 Ah LiFePO ₄	30 Watt	1260
15 Watt	12 Ah LiFePO ₄	40 Watt	2100
20 Watt	18 Ah LiFePO₄	60 Watt	2800
30 Watt	24 Ah LiFePO ₄	80 Watt	4200
40 Watt	36 Ah LiFePO ₄	120 Watt	5600
50 Watt	48 Ah LiFePO ₄	165 Watt	7000





SOLOTRONICS

TECHNOLOGIES PVT LTD

Think Solar, Think Solotronics

TECHNICAL DATA SHEET

SMART SOLAR LIGHT POLE

SMART LIGHTING • SMART CITY • SMART FUTURE

TECHNICAL SPECIFICATIONS

	PRODUCT NAME	Smart Solar Light Pole
	MODEL	SOL-SLP-40
	LED POWER	40 Watt LED
	LUMINOUS FLUX	5200-5600 Lumens
	COLOR TEMPERATURE (CCT)	3000K / 4000K / 6500K
	SOLAR PANEL	120 Watt Monocrystalline
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 42Ah
	BATTERY BACKUP	2 Days Autonomy (Up to 24-36 Hours)*
	CONTROLLER	MPPT Based Smart Controller
	CHARGING TIME	5 - 6 Hours (Bright Sunlight)
	OPERATING MODE	Dusk to Dawn + Smart Control
	POLE HEIGHT	6 Meter (Standard) (Available 4m / 6m / 7m / 8m)
	POLE MATERIAL	MS GI Powder Coated
	POLE COLOR	Grey / Customizable
	MOUNTING TYPE	Flange Base
	WORKING VOLTAGE	12.8V DC System
	IP RATING	IP65
	SMART FEATURES	• Auto Dimmable (Energy Saving) • Motion Sensor (Optional) • Remote Monitoring (IoT Enabled) • Real-time Status & Alerts • GSM / LoRa / Wi-Fi (Optional)
	ADDITIONAL FEATURES	• USB Charging Port (5V DC) • CCTV Camera Mount (Optional) • Public Address System (Optional) • Emergency SOS Button (Optional)
	OPERATING TEMPERATURE	-10°C to +60°C
	LIFE SPAN	50,000 Hours (LED)
	WARRANTY	2 Years (Complete System*)
	APPLICATION	Smart Cities, Roads, Parks, Campus, Industries, Residential Areas, Parking Lots, Walkways, Public Spaces
	COUNTRY OF ORIGIN	MADE IN INDIA

*Backup duration may vary based on location, weather & configuration.



SOLAR POWERED
Clean & Green Energy



SMART CONTROL
Dimmable & Energy Saving



MOTION SENSOR
Auto Brightness Adjustment



REMOTE MONITORING
Real-time Monitoring & Alerts



USB CHARGING PORT
5V DC Output



CCTV CAMERA
24x7 Surveillance (Optional)



EMERGENCY SOS
One Touch Alert (Optional)

KEY ADVANTAGES



ZERO ELECTRICITY BILL



2 DAYS BACKUP (Autonomy)



SMART & INTELLIGENT CONTROL



SAFE & RELIABLE PERFORMANCE



LOW MAINTENANCE & HIGH EFFICIENCY



ENVIRONMENT FRIENDLY

APPLICATIONS



SMART CITY PROJECTS



HIGHWAYS & EXPRESSWAYS



PARKS & GARDENS



INDUSTRIAL AREAS



RESIDENTIAL SOCIETIES



PARKING LOTS & WALKWAYS



CAMPUS & INSTITUTIONS



PUBLIC SPACES

AVAILABLE MODELS

MODEL	LED POWER	SOLAR PANEL	BATTERY	POLE HEIGHT	FEATURES
SOL-SLP-20	20 Watt	60 Watt	12.8V / 18Ah	4 - 6 Meter	Basic Smart Features
SOL-SLP-40	40 Watt	120 Watt	12.8V / 42Ah	6 - 7 Meter	Advanced Smart Features
SOL-SLP-60	60 Watt	160 Watt	12.8V / 60Ah	7 - 8 Meter	Premium Smart Features





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TECHNICAL DATA SHEET

20W SOLAR SEMI INTEGRATED STREET LIGHT

	BRAND / MAKE	SOLOTRONICS
	MODEL	Semi Integrated Solar Street Light – 20W
	LED WATTAGE	20 Watt
	LED TYPE	High Brightness SMD LED
	LUMINOUS EFFICIENCY	140–150 Lm/W
	TOTAL LUMEN OUTPUT	2800–3000 Lumens
	COLOR TEMPERATURE (CCT)	5700K – 6500K (Cool White)
	CRI	≥70
	BEAM ANGLE	120°
	BATTERY TYPE	LiFePO ₄ (Lithium Iron Phosphate)
	BATTERY CAPACITY	12.8V / 18Ah
	BATTERY BACKUP	12 Hours (Full Night Operation)
	SOLAR PANEL	60 Watt Monocrystalline
	SOLAR PANEL EFFICIENCY	≥21%
	CHARGING TIME	5–6 Hours (Bright Sunlight)
	CHARGE CONTROLLER	MPPT Based Intelligent Controller
	LIGHTING MODE	Automatic Dusk to Dawn
	PROTECTION FEATURES	Over Charge, Deep Discharge, Reverse Polarity, Short Circuit & Battery Low Voltage Protection
	INGRESS PROTECTION	IP65
	HOUSING MATERIAL	Pressure Die Cast Aluminium
	FINISH	UV Resistant Powder Coating
	OPERATING TEMPERATURE	-10°C to +60°C
	POLE MOUNTING HEIGHT	5–6 Meter
	ACCESSORIES	Light Arm & Panel Frame
	WIND RESISTANCE	Up to 180 Km/h (Pole Dependent)
	INSTALLATION	Easy Pole Mounting
	APPLICATION	Roads, Streets, Gardens, Parks, Campuses, Industrial Areas, Village Roads, Parking Areas
	COUNTRY OF ORIGIN	Made in India
	WARRANTY	2 Years (Complete System)*



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LiFePO₄ BATTERY

Long Life, Safe & Reliable



MPPT CONTROLLER

Maximum Power Point Tracking



IP65 RATED

Dust Tight | Water Resistant



AUTO DUSK TO DAWN

Smart Sensor Based Operation

AVAILABLE MODELS

LIGHT WATTAGE	BATTERY SPECIFICATION	SOLAR PANEL	LUMENS
9 Watt	6 Ah LiFePO ₄	30 Watt	1260
12 Watt	12 Ah LiFePO ₄	40 Watt	1680
20 Watt	18 Ah LiFePO₄	60 Watt	2800
30 Watt	24 Ah LiFePO ₄	80 Watt	4200
40 Watt	36 Ah LiFePO ₄	120 Watt	5600
50 Watt	48 Ah LiFePO ₄	165 Watt	7000



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TECHNICAL DATA SHEET

LED STREET LIGHT

BRIGHTER ROADS • SAFER NIGHTS • SMARTER FUTURE

TECHNICAL SPECIFICATIONS

PRODUCT NAME	LED Street Light
MODEL	SOL-LED-ST
LED POWER	20W / 30W / 40W / 50W / 60W / 80W / 100W / 120W / 150W / 200W
LED TYPE	High Efficiency SMD LED
LUMINOUS EFFICACY	≥ 130 lm/W
LUMINOUS FLUX	2600 – 26000 Lumens (±5%)
COLOR TEMPERATURE (CCT)	3000K / 4000K / 5700K / 6500K
CRI (Ra)	≥ 70
BEAM ANGLE	Type II / Type III / Type IV / Type V
INPUT VOLTAGE	100 – 270V AC, 50/60 Hz
POWER FACTOR	≥ 0.95
THD	< 10%
SURGE PROTECTION	4KV / 6KV / 10KV (Optional)
DRIVER	Constant Current LED Driver (Surge Protected)
HOUSING MATERIAL	Pressure Die Cast Aluminium
DIFFUSER	Toughened Glass
FINISH	Powder Coated (Grey)
IP RATING	IP66
IK RATING	IK08
OPERATING TEMPERATURE	-10°C to +50°C
LIFE SPAN	≥ 50,000 Hours
MOUNTING TYPE	Pole Top / Side Entry (Adjustable)
SUITABLE POLE HEIGHT	4 – 12 Meter (As per Wattage)
WARRANTY	2 Years
CERTIFICATIONS	BIS / ISO / RoHS Compliant
COUNTRY OF ORIGIN	MADE IN INDIA



ENERGY EFFICIENT
Up to 60% Saving

DURABLE & RELIABLE
Built for Long Life

WEATHER PROOF
IP66 Protection

LOW MAINTENANCE
High Performance

ECO FRIENDLY
Green Lighting Solution

KEY FEATURES

HIGH EFFICIENCY SMD LED	SURGE PROTECTED DRIVER	EXCELLENT HEAT DISSIPATION	WIDE VOLTAGE PROTECTION	ZERO MERCURY	INSTANT START

APPLICATIONS

HIGHWAYS & EXPRESSWAYS	STREETS & ROADS	RESIDENTIAL AREAS	INDUSTRIAL AREAS	PARKING LOTS	GARDENS & PARKS	PUBLIC AREAS

AVAILABLE MODELS

MODEL	POWER	LUMINOUS FLUX (APPROX.)	CCT	INPUT VOLTAGE	SUITABLE POLE HEIGHT
SOL-LED-ST-20W	20 Watt	2600 lm	3000K / 4000K / 6500K	100 – 270V AC	4 – 5 Meter
SOL-LED-ST-30W	30 Watt	3900 lm	3000K / 4000K / 6500K	100 – 270V AC	5 – 6 Meter
SOL-LED-ST-40W	40 Watt	5200 lm	3000K / 4000K / 6500K	100 – 270V AC	6 – 7 Meter
SOL-LED-ST-50W	50 Watt	6500 lm	3000K / 4000K / 6500K	100 – 270V AC	7 – 8 Meter
SOL-LED-ST-60W	60 Watt	7800 lm	3000K / 4000K / 6500K	100 – 270V AC	8 – 9 Meter
SOL-LED-ST-80W	80 Watt	10400 lm	3000K / 4000K / 6500K	100 – 270V AC	9 – 10 Meter
SOL-LED-ST-100W	100 Watt	13000 lm	3000K / 4000K / 6500K	100 – 270V AC	10 – 11 Meter
SOL-LED-ST-120W	120 Watt	15600 lm	3000K / 4000K / 6500K	100 – 270V AC	11 – 12 Meter
SOL-LED-ST-150W	150 Watt	19500 lm	3000K / 4000K / 6500K	100 – 270V AC	12 Meter
SOL-LED-ST-200W	200 Watt	26000 lm	3000K / 4000K / 6500K	100 – 270V AC	12 Meter & Above

Note: Specifications are subject to change without prior notice for product improvement.



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MADE IN INDIA

ISO
9001:2015
CERTIFIED

BIS
CERTIFIED

RoHS
COMPLIANT

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